

Lesson Plan 1.1

Rational and Irrational Numbers Day _____

Essential Question How do you rewrite rational numbers and decimals, take square roots and cube roots, and approximate irrational numbers?

CC: 8.NS.1 Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number. **8.NS.2** Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram, and estimate the value of expressions (e.g., π^2). **8.EE.2** Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational. **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1–6, 20–21, 24–25
- Example 2 (SE and eSE): 7–12, 22–23, 26–27
- Example 3 (SE and eSE): 13–15, 28, 31
- Explore Activity (SE and eSE): 16–18, 29–30
- Full Lesson (SE and eSE): 1–34
- Online Homework (PMT): 1–19, 21–33 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 1.2

Sets of Real Numbers

Day _____

Essential Question How do you describe relationships between sets of real numbers?

CC: 8.NS.1 Know that numbers that are not rational are called irrational. Understand informally that every number has a decimal expansion; for rational numbers show that the decimal expansion repeats eventually, and convert a decimal expansion which repeats eventually into a rational number. **MP.7** Using structure.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Animated Math (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1–8, 14–19, 22–24
- Example 2 (SE and eSE): 9–10
- Example 3 (SE and eSE): 11–12, 20–21, 25
- Full Lesson (SE and eSE): 1–29
- Online Homework (PMT): 1–13, 15–29 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 1.3

Ordering Real Numbers Day _____

Essential Question How do you order a set of real numbers?

CC: 8.NS.2 Use rational approximations of irrational numbers to compare the size of irrational numbers, locate them approximately on a number line diagram, and estimate the value of expressions (e.g., π^2). **MP.4** Modeling.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Engage with the Whiteboard (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1–8
- Example 2 (SE and eSE): 9, 12–15, 18–21
- Example 3 (SE and eSE): 10, 16–17
- Full Lesson (SE and eSE): 1–24
- Online Homework (PMT): 1–11, 13–23 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 2.1

Integer Exponents Day _____

Essential Question How can you develop and use the properties of integer exponents?

CC: 8.EE.1 Know and apply the properties of integer exponents to generate equivalent numerical expressions. **MP.8** Patterns.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1–9
- Explore Activity 2 (SE and eSE): 10–17, 21–27, 29–30
- Example 1 (SE and eSE): 18–19
- Full Lesson (SE and eSE): 1–37
- Online Homework (PMT): 1–20, 21–37 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 2.2

Scientific Notation with Positive Powers of 10 Day _____

Essential Question How can you use scientific notation to express very large quantities?

CC: 8.EE.3 Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other. **MP.4** Modeling.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1–6
- Example 1 (SE and eSE): 1–6, 16–22, 24–27
- Example 2 (SE and eSE): 7–14, 23–24, 25
- Full Lesson (SE and eSE): 1–31
- Online Homework (PMT): 1–15, 17–31 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 2.3

Scientific Notation with Negative Powers of 10 Day _____

Essential Question How can you use scientific notation to express very small quantities?

CC: 8.EE.3 Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other. **MP.2** Reasoning.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Animated Math (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1–6
- Example 1 (SE and eSE): 1–6, 13, 16–21, 23, 26, 28, 30, 32
- Example 2 (SE and eSE): 7–12, 14, 29, 31, 33
- Full Lesson (SE and eSE): 1–37
- Online Homework (PMT): 1–15, 17–37 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 2.4

Operations with Scientific Notation Day _____

Essential Question How do you add, subtract, multiply, and divide using scientific notation?

CC: 8.EE.4 Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology. **MP.1** Problem Solving.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Engage with the Whiteboard (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1–4, 18–20, 22
- Example 2 (SE and eSE): 5–8, 16–17, 21, 23–27
- Example 3 (SE and eSE): 9–14
- Full Lesson (SE and eSE): 1–30
- Online Homework (PMT): 1–15, 17–29 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 3.1

Representing Proportional Relationships Day _____

Essential Question How can you use tables, graphs, and equations to represent proportional situations?

CC: 8.EE.6 Use similar triangles to explain why the slope is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation $y = mx$ for a line through the origin and the equation $y = mx + b$ for a line intercepting the vertical axis at b . **8.F.4** Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or table of values. **MP.4** Modeling.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 3, 7, 13
- Example 1 (SE and eSE): 3–4, 10, 13
- Example 2 (SE and eSE): 5, 8, 13
- Full Lesson (SE and eSE): 1–16
- Online Homework (PMT): 1–6, 7–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 3.2

Rate of Change and Slope Day _____

Essential Question How can you use find rate of change and slope?

CC: 8.F.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values. **MP.7** Using structure.

Pacing

- 45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 1–4
- Explore Activity (SE and eSE): 5–6
- Example 2 (SE and eSE): 7–8, 10, 14–15
- Full Lesson (SE and eSE): 1–18
- Online Homework (PMT): 1–9, 11–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 3.3

Interpreting the Unit Rate as Slope Day _____

Essential Question How can you interpret the unit rate as slope?

CC: 8.EE.5 Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. **MP.4** Modeling.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Animated Math (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 1–2
- Example 1 (SE and eSE): 1–2, 7
- Example 2 (SE and eSE): 3–5, 9–10, 12
- Full Lesson (SE and eSE): 1–13
- Online Homework (PMT): 1–6, 7–13 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 4.1

Representing Linear Nonproportional Relationships Day _____

Essential Question How can you use tables, graphs, and equations to represent linear nonproportional situations?

CC: 8.F.3 Interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. **MP.4** Modeling.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 1–2, 5, 9
- Explore Activity (SE and eSE): 3–4, 7–8
- Example 2 (SE and eSE): 5, 9
- Full Lesson (SE and eSE): 1–13
- Online Homework (PMT): 1–6, 7–13 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 4.2

Determining Slope and y -intercept Day _____

Essential Question How can you determine the slope and y -intercept of a line?

CC: 8.EE.6 Use similar triangles to explain why the slope is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation $y = mx$ for a line through the origin and the equation $y = mx + b$ for a line intercepting the vertical axis at b . **8.F.4** Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values. **MP.7** Using structure.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1–4
- Example 1 (SE and eSE): 5–6, 8–10
- Explore Activity 2 (SE and eSE): 13
- Full Lesson (SE and eSE): 1–15
- Online Homework (PMT): 1–7, 9–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 4.3

Graphing Linear Nonproportional Relationships Using Slope and y-intercept Day _____

Essential Question How can you graph a line using the slope and y-intercept?

CC: 8.F.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values. **8.F.3** Interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. **MP.6** Precision.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Animated Math (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1–2, 5, 13, 16
- Example 2 (SE and eSE): 3, 5, 13
- Full Lesson (SE and eSE): 1–16
- Online Homework (PMT): 1–4, 5–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 4.4

Proportional and Nonproportional Situations Day _____

Essential Question How can you distinguish between proportional and nonproportional situations?

CC: 8.F.2 Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Engage with the Whiteboard (TE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 1–2, 9
- Example 2 (SE and eSE): 3–4, 11
- Example 3 (SE and eSE): 5–7, 15
- Example 4 (SE and eSE): 12
- Full Lesson (SE and eSE): 1–15
- Online Homework (PMT): 1–8, 9–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 5.1

Writing Linear Equations from Situations and Graphs Day _____

Essential Question How do you write an equation to model a linear relationship given a graph or a description?

CC: 8.F.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values. **MP.2** Reasoning.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1
- Example 1 (SE and eSE): 2, 5–6, 12–15
- Example 2 (SE and eSE): 3, 5–6, 10–11
- Full Lesson (SE and eSE): 1–18
- Online Homework (PMT): 1–4, 5–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 5.2

Writing Linear Equations from a Table Day _____

Essential Question How do you write an equation to model a linear relationship given a graph or a description?

CC: 8.F.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values. **MP.4** Modeling.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Animated Math (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 1, 7–8
- Example 2 (SE and eSE): 2–5, 9–13
- Full Lesson (SE and eSE): 1–15
- Online Homework (PMT): 1–6, 7–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 5.3

Linear Relationships and Bivariate Data Day _____

Essential Question How can you contrast linear and nonlinear sets of bivariate data?

CC: 8.SP.1 Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association. **8.SP.2** Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line. **8.SP.3** Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept. **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 1–2, 13
- Example 2 (SE and eSE): 3, 13
- Explore Activity (SE and eSE): 4–5, 7–13
- Full Lesson (SE and eSE): 1–18
- Online Homework (PMT): 1–6, 7–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 6.1

Identifying and Representing Functions Day _____

Essential Question How can you identify and represent functions?

CC: 8.F.1 Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output. **MP.4** Modeling.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 1–3, 10, 12
- Example 1 (SE and eSE): 4, 15
- Example 2 (SE and eSE): 5
- Example 3 (SE and eSE): 6, 11, 13–14
- Full Lesson (SE and eSE): 1–16
- Online Homework (PMT): 1–7, 9–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 6.2

Describing Functions Day _____

Essential Question What are some characteristics that you can use to describe functions?

CC: 8.F.3 Interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. **8.F.1** Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output. **MP.6** Precision.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Animated Math (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 1, 8–9
- Example 1 (SE and eSE): 1, 6, 9
- Example 2 (SE and eSE): 1–4, 7–11
- Full Lesson (SE and eSE): 1–15
- Online Homework (PMT): 1–5, 7–15 odd
- Lesson Quiz (TE)

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 6.3

Comparing Functions Day _____

Essential Question How can you use tables, graphs, and equations to compare functions?

CC: 8.F.2 Compare properties of two functions each represented in a different way (algebraically, graphically, numerically in tables, or by verbal descriptions). **8.EE.5** Graph proportional relationships, interpreting the unit rate as the slope of the graph. Compare two different proportional relationships represented in different ways. **8.F.4** Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.

MP.3 Logic.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 1–2, 11–12
- Explore Activity 1 (SE and eSE): 3–7, 9–10, 14
- Explore Activity 2 (SE and eSE): 3–7
- Full Lesson (SE and eSE): 1–17
- Online Homework (PMT): 1–8, 9–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 6.4

Analyzing Graphs Day _____

Essential Question How can you describe a relationship given a graph and sketch a graph given a description?

CC: 8.F.5 Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a function that has been described verbally. **MP.4** Modeling.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1–2, 9–10, 12–13
- Explore Activity 2 (SE and eSE): 3–4, 6–8
- Explore Activity 3 (SE and eSE): 5, 11
- Full Lesson (SE and eSE): 1–16
- Online Homework (PMT): 1–5, 7–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 7.1

Equations with the Variable on Both Sides Day _____

Essential Question How can you represent and solve equations with the variable on both sides?

CC: 8.EE.7 Solve linear equations in one variable. **8.EE.7b** Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms. **MP.4** Modeling.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Animated Math (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 1–2
- Example 1 (SE and eSE): 3, 7–8
- Example 2 (SE and eSE): 4–5
- Full Lesson (SE and eSE): 1–15
- Online Homework (PMT): 1–6, 7–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 7.2

Equations with Rational Numbers Day _____

Essential Question How can you solve equations with rational number coefficients and constants?

CC: 8.EE.7b Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms. **8.EE.7** Solve linear equations in one variable. **MP.6** Precision.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Engage with the Whiteboard (TE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 2–4, 18
- Example 2 (SE and eSE): 1, 5–7, 10–13, 16–17
- Example 3 (SE and eSE): 8
- Full Lesson (SE and eSE): 1–21
- Online Homework (PMT): 1–9, 11–21 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 7.3

Equations with the Distributive Property Day _____

Essential Question How do you use the Distributive Property to solve equations?

CC: 8.EE.7b Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms. **MP.1** Problem Solving.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Engage with the Whiteboard (TE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 1, 3–6
- Example 2 (SE and eSE): 2, 7–10, 15–16
- Example 3 (SE and eSE): 11, 13–14, 17
- Full Lesson (SE and eSE): 1–19
- Online Homework (PMT): 1–12, 13–19 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 7.4

Equations with Many Solutions or No Solution Day _____

Essential Question How can you give examples of equations with a given number of solutions?

CC: 8.EE.7a Give examples of linear equations in one variable with one solution, infinitely many solutions, or no solutions. Show which of these possibilities is the case by successively transforming the given equation into simpler forms, until an equivalent equation of the form $x = a$, $a = a$, or $a = b$ results (where a and b are different numbers). **MP.8** Patterns.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Engage with the Whiteboard (TE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Example 1 (SE and eSE): 1–2, 7–8
- Example 2 (SE and eSE): 3–5, 9–12
- Full Lesson (SE and eSE): 1–17
- Online Homework (PMT): 1–6, 7–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 8.1

Solving Systems of Linear Equations by Graphing Day _____

Essential Question How can you solve a system of equations by graphing?

CC: 8.EE.8a Understand that solutions to a system of two linear equations in two variables correspond to points of intersection of their graphs, because points of intersection satisfy both equations simultaneously. **MP.3** Logic.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Animated Math (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 1–2
- Example 1 (SE and eSE): 1–3, 6–7
- Example 2 (SE and eSE): 3, 6–8
- Full Lesson (SE and eSE): 1–11
- Online Homework (PMT): 1–5, 7–11 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 8.2

Solving Systems by Substitution Day _____

Essential Question How do you use substitution to solve a system of linear equations?

CC: 8.EE.8b Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. **8.EE.8c** Solve real-world and mathematical problems leading to two linear equations in two variables. **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Engage with the Whiteboard (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1–4, 14
- Example 2 (SE and eSE): 5–8, 11
- Example 3 (SE and eSE): 9, 12–13, 15
- Full Lesson (SE and eSE): 1–18
- Online Homework (PMT): 1–10, 11–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 8.3

Solving Systems by Elimination Day _____

Essential Question How do you solve a system of linear equations by adding or subtracting?

CC: 8.EE.8b Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. **8.EE.8c** Solve real-world and mathematical problems leading to two linear equations in two variables. **MP.1** Problem Solving.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Engage with the Whiteboard (TE)</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1, 4–5
- Example 2 (SE and eSE): 2–3, 6–7
- Example 3 (SE and eSE): 8, 10–15
- Full Lesson (SE and eSE): 1–17
- Online Homework (PMT): 1–9, 11–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 8.4

Solving Systems by Elimination with Multiplication Day _____

Essential Question How do you solve a system of linear equations by multiplying?

FLCC: 8.EE.8b Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. **8.EE.8c** Solve real-world and mathematical problems leading to two linear equations in two variables. **MP.1** Problem Solving.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Engage with the Whiteboard (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1–7, 10
- Example 2 (SE and eSE): 2–7
- Example 3 (SE and eSE): 8, 11–13
- Full Lesson (SE and eSE): 1–15
- Online Homework (PMT): 1–9, 11–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 8.5

Solving Special Systems Day _____

Essential Question How do you solve a system with no solutions or infinitely many solutions?

CC: 8.EE.8b Solve systems of two linear equations in two variables algebraically, and estimate solutions by graphing the equations. Solve simple cases by inspection. **8.EE.8c** Solve real-world and mathematical problems leading to two linear equations in two variables. **MP.2** Reasoning.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 1, 6–7, 14–15
- Example 1 (SE and eSE): 2–4, 8–13, 16–17
- Full Lesson (SE and eSE): 1–20
- Online Homework (PMT): 1–5, 7–19 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 9.1

Properties of Translations Day _____

Essential Question How do you describe the properties of orientation and congruence of translations?

CC: 8.G.1 Understand congruence and similarity using physical models, transparencies, or geometry software. **8.G.1a** Verify experimentally the properties of rotations, reflections, and translations: Lines are taken to lines, and line segments to line segments of the same length. **8.G.1b** Verify experimentally the properties of rotations, reflections, and translations: Angles are taken to angles of the same measure. **8.G.1c** Verify experimentally the properties of rotations, reflections, and translations: Parallel lines are taken to parallel lines. **8.G.3** Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1–3, 11–12
- Explore Activity 2 (SE and eSE): 4, 7–8
- Example 1 (SE and eSE): 5, 7–10
- Full Lesson (SE and eSE): 1–15
- Online Homework (PMT): 1–6, 7–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 9.2

Properties of Reflections Day _____

Essential Question How do you describe the properties of orientation and congruence of reflections?

CC: 8.G.1 Understand congruence and similarity using physical models, transparencies, or geometry software. **8.G.1a** Verify experimentally the properties of rotations, reflections, and translations: Lines are taken to lines, and line segments to line segments of the same length. **8.G.1b** Verify experimentally the properties of rotations, reflections, and translations: Angles are taken to angles of the same measure. **8.G.1c** Verify experimentally the properties of rotations, reflections, and translations: Parallel lines are taken to parallel lines. **8.G.3** Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. **MP.5** Using tools.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 2, 4–5, 9
- Explore Activity 2 (SE and eSE): 2, 4–5, 7–8
- Example 1 (SE and eSE): 2, 8
- Full Lesson (SE and eSE): 1–11
- Online Homework (PMT): 1–3, 5–11 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 9.3

Properties of Rotations Day _____

Essential Question How do you describe the properties of orientation and congruence of rotations?

CC: 8.G.1 Understand congruence and similarity using physical models, transparencies, or geometry software. **8.G.1a** Verify experimentally the properties of rotations, reflections, and translations: Lines are taken to lines, and line segments to line segments of the same length. **8.G.1b** Verify experimentally the properties of rotations, reflections, and translations: Angles are taken to angles of the same measure. **8.G.1c** Verify experimentally the properties of rotations, reflections, and translations: Parallel lines are taken to parallel lines. **8.G.3** Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. **MP.2** Reasoning.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Animated Math (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 2, 9, 16
- Explore Activity 2 (SE and eSE): 3, 7–9
- Example 1 (SE and eSE): 4–5, 10–15
- Full Lesson (SE and eSE): 1–19
- Online Homework (PMT): 1–6, 7–19 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 9.4

Algebraic Representations of Transformations Day _____

Essential Question How can you describe the effect of a translation, rotation, or reflection on coordinates using an algebraic representation?

CC: 8.G.3 Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. **MP.3** Logic.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Engage with the Whitboard (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1, 5, 7, 9–11
- Example 2 (SE and eSE): 2, 8
- Example 3 (SE and eSE): 3, 6, 12
- Full Lesson (SE and eSE): 1–15
- Online Homework (PMT): 1–4, 5–15 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 9.5

Congruent Figures Day _____

Essential Question What is the connection between transformations and figures that have the same shape and size?

CC: 8.G.2 Understand that a two-dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them. **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1, 7–10, 12
- Example 1 (SE and eSE): 2–5, 11–12
- Full Lesson (SE and eSE): 1–14
- Online Homework (PMT): 1–6, 7–13 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 10.1

Properties of Dilations Day _____

Essential Question How do you describe the properties of dilations?

CC: 8.G.4 Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them. **8.G.3** Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. **MP.5** Using tools.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p> <p><input type="checkbox"/> Real-World Video (eSE)</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Animated Math (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 3–4, 7–10, 15
- Explore Activity 2 (SE and eSE): 1–2, 11
- Example 1 (SE and eSE): 5, 16–18
- Full Lesson (SE and eSE): 1–20
- Online Homework (PMT): 1–6, 7–19 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 10.2

Algebraic Representations of Dilations Day _____

Essential Question How can you describe the effect of a dilation on coordinates using an algebraic representation?

CC: 8.G.3 Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. **MP.4** Modeling.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1–2, 5–6
- Explore Activity 2 (SE and eSE): 3, 5, 7–10
- Example 1 (SE and eSE): 2–3, 10
- Full Lesson (SE and eSE): 1–13
- Online Homework (PMT): 1–4, 5–13 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 10.3

Similar Figures Day _____

Essential Question What is the connection between transformations and similar figures?

CC: 8.G.4 Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them. **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1, 6
- Example 1 (SE and eSE): 2–4, 7–10
- Full Lesson (SE and eSE): 1–13
- Online Homework (PMT): 1–5, 7–13 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 11.1

Parallel Lines Cut by a Transversal Day _____

Essential Question What can you conclude about the angles formed by parallel lines that are cut by a transversal?

CC: 8.G.5 Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Animated Math (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1–2, 5, 7–10, 18
- Explore Activity 2 (SE and eSE): 18
- Example 1 (SE and eSE): 3–4, 11–17, 19
- Full Lesson (SE and eSE): 1–22
- Online Homework (PMT): 1–6, 7–21 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 11.2

Angle Theorems for Triangles Day _____

Essential Question What can you conclude about the measures of the angles of a triangle?

CC: 8.G.5 Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. **8.EE.7** Solve linear equations in one variable. **8.EE.7b** Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms. **MP.5** Using tools.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1–2, 8–10, 14
- Explore Activity 2 (SE and eSE): 3–4
- Example 1 (SE and eSE): 1–4, 8–10, 14
- Explore Activity 3 (SE and eSE): 5–6, 11–13
- Example 2 (SE and eSE): 5–6, 11–13
- Full Lesson (SE and eSE): 1–18
- Online Homework (PMT): 1–7, 9–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 11.3

Angle-Angle Similarity Day _____

Essential Question How can you determine when two triangles are similar?

CC: 8.G.5 Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. **8.EE.6** Use similar triangles to explain why the slope is the same between any two distinct points on a non-vertical line in the coordinate plane; derive the equation $y = mx$ for a line through the origin and the equation $y = mx + b$ for a line intercepting the vertical axis at b . **8.EE.7** Solve linear equations in one variable.
MP.4 Modeling.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1, 6–7
- Example 1 (SE and eSE): 1, 3, 5–7, 10
- Example 2 (SE and eSE): 2, 8–9, 11
- Explore Activity 2 (SE and eSE): 3
- Full Lesson (SE and eSE): 1–14
- Online Homework (PMT): 1–5, 5–13 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 12.1

The Pythagorean Theorem Day _____

Essential Question How can you prove the Pythagorean Theorem and use it to solve problems?

CC: 8.G.7 Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions. **8.G.6** Explain a proof of the Pythagorean Theorem and its converse. **MP.5** Using tools.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Animated Math (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 1
- Example 1 (SE and eSE): 1, 4–8, 10–11
- Example 2 (SE and eSE): 2, 9
- Full Lesson (SE and eSE): 1–14
- Online Homework (PMT): 1–3, 5–13 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 12.2

Converse of the Pythagorean Theorem Day _____

Essential Question How can you test the converse of the Pythagorean Theorem and use it to solve problems?

CC: 8.G.6 Explain a proof of the Pythagorean Theorem and its converse. **MP.7** Using structure.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1
- Example 1 (SE and eSE): 2, 5–14
- Example 2 (SE and eSE): 3, 15–17
- Full Lesson (SE and eSE): 1–23
- Online Homework (PMT): 1–4, 5–23 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 12.3

Distance Between Two Points Day _____

Essential Question How can you use the Pythagorean Theorem to find the distance between two points on a coordinate plane?

CC: 8.G.8 Apply the Pythagorean Theorem to find the distance between two points in a coordinate system. **MP.2** Reasoning.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Example 1 (SE and eSE): 1, 5
- Explore Activity (SE and eSE): 2, 7
- Example 2 (SE and eSE): 3, 6, 7–8
- Full Lesson (SE and eSE): 1–12
- Online Homework (PMT): 1–4, 5–11 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 13.1

Volume of Cylinders Day _____

Essential Question How do you find the volume of a cylinder?

CC: 8.G.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems. **MP.3** Logic.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Animated Math (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1–2
- Example 1 (SE and eSE): 3, 6–11
- Example 2 (SE and eSE): 4, 12–17
- Full Lesson (SE and eSE): 1–20
- Online Homework (PMT): 1–5, 7–19 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 13.2

Volume of Cones Day _____

Essential Question How do you find the volume of a cone?

CC: 8.G.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems. **MP.4** Modeling.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1–2
- Example 1 (SE and eSE): 3–4, 8–11, 16–17
- Example 2 (SE and eSE): 5–6, 12–15
- Full Lesson (SE and eSE): 1–22
- Online Homework (PMT): 1–7, 9–21 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 13.3

Volume of Spheres Day _____

Essential Question How do you find the volume of a sphere?

CC: 8.G.9 Know the formulas for the volumes of cones, cylinders, and spheres and use them to solve real-world and mathematical problems. **MP.6** Precision.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity (SE and eSE): 1–2, 9
- Example 1 (SE and eSE): 3–6, 11–16
- Example 2 (SE and eSE): 7–8, 17–20
- Full Lesson (SE and eSE): 1–27
- Online Homework (PMT): 1–10, 11–27 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 14.1

Scatter Plots and Association Day _____

Essential Question How can you construct and interpret scatter plots?

CC: 8.SP.1 Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association. **MP.7** Using structure.

Pacing

- 45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Animated Math (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1, 10–11
- Explore Activity 2 (SE and eSE): 3, 8
- Example 1 (SE and eSE): 2, 5–7, 9
- Full Lesson (SE and eSE): 1–14
- Online Homework (PMT): 1–4, 5–13 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 14.2

Trend Lines and Predictions Day _____

Essential Question How can you use a trend line to make a prediction from a scatter plot?

CC: 8.SP.3 Use the equation of a linear model to solve problems in the context of bivariate measurement data, interpreting the slope and intercept. **8.SP.1** Construct and interpret scatter plots for bivariate measurement data to investigate patterns of association between two quantities. Describe patterns such as clustering, outliers, positive or negative association, linear association, and nonlinear association. **8.SP.2** Know that straight lines are widely used to model relationships between two quantitative variables. For scatter plots that suggest a linear association, informally fit a straight line, and informally assess the model fit by judging the closeness of the data points to the line. **MP.6** Precision.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1–2, 6, 11
- Example 1 (SE and eSE): 3, 8, 12
- Explore Activity 2 (SE and eSE): 4, 9, 13
- Full Lesson (SE and eSE): 1–17
- Online Homework (PMT): 1–5, 7–17 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 15.1

Two-Way Frequency Tables Day _____

Essential Question How can you construct and interpret two-way frequency tables?

CC: 8.SP.4 Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables. **MP.6** Precision.

Pacing

45-minute Classes: 2 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <p><input type="checkbox"/> Motivate the Lesson (TE)</p> <p><input type="checkbox"/> Real-World Video (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>3) EXPLAIN</p> <p><input type="checkbox"/> Examples (SE, eSE)</p> <p><input type="checkbox"/> Interactive Examples (PMT)</p> <p><input type="checkbox"/> Your Turn (SE, eSE, PMT)</p> <p><input type="checkbox"/> Reflect (SE, eSE)</p> <p><input type="checkbox"/> Questioning Strategies (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>
<p>2) EXPLORE</p> <p><input type="checkbox"/> Explore Activities (SE, eSE)</p> <p><input type="checkbox"/> Animated Math (eSE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>	<p>4) ELABORATE</p> <p><input type="checkbox"/> Math Talk (SE, eSE)</p> <p><input type="checkbox"/> Talk About It (TE)</p> <p><input type="checkbox"/> Interactive Student Edition</p>

5) EVALUATE

- Explore Activity (SE and eSE): 1, 4–6
- Example 1 (SE and eSE): 2, 5–6
- Full Lesson (SE and eSE): 1–7
- Online Homework (PMT): 1–3, 5–7 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary

Lesson Plan 15.2

Two-Way Relative Frequency Tables Day _____

Essential Question How can categorical data be organized and analyzed?

CC: 8.SP.4 Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables. **MP.8** Patterns.

Pacing

45-minute Classes: 3 days 90-minute Classes: 1 day Other _____

<p>1) ENGAGE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Motivate the Lesson (TE) <input type="checkbox"/> Real-World Video (eSE) <input type="checkbox"/> Interactive Student Edition 	<p>3) EXPLAIN</p> <ul style="list-style-type: none"> <input type="checkbox"/> Examples (SE, eSE) <input type="checkbox"/> Interactive Examples (PMT) <input type="checkbox"/> Your Turn (SE, eSE, PMT) <input type="checkbox"/> Reflect (SE, eSE) <input type="checkbox"/> Questioning Strategies (TE) <input type="checkbox"/> Interactive Student Edition
<p>2) EXPLORE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Explore Activities (SE, eSE) <input type="checkbox"/> Interactive Student Edition 	<p>4) ELABORATE</p> <ul style="list-style-type: none"> <input type="checkbox"/> Math Talk (SE, eSE) <input type="checkbox"/> Talk About It (TE) <input type="checkbox"/> Interactive Student Edition

5) EVALUATE

- Explore Activity 1 (SE and eSE): 1a–b
- Explore Activity 2 (SE and eSE): 1a–c, 3
- Explore Activity 3 (SE and eSE): 1d–f, 4–5
- Example 1 (SE and eSE): 1g, 5
- Example 2 (SE and eSE): 1g, 6
- Full Lesson (SE and eSE): 1–8
- Online Homework (PMT): 1–2, 3–7 odd
- Lesson Quiz (TE)
- Interactive Student Edition

DIFFERENTIATED INSTRUCTION RESOURCES

Developing Learners	On-level Learners	Advanced Learners	English Language Learners
<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)	<input type="checkbox"/> Differentiate Instruction (TE)
<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer	<input type="checkbox"/> Personal Math Trainer
<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials	<input type="checkbox"/> Math On the Spot Video Tutorials
<input type="checkbox"/> Practice and Problem Solving A/B or D (modified)	<input type="checkbox"/> Practice and Problem Solving A/B	<input type="checkbox"/> Practice and Problem Solving C	<input type="checkbox"/> Practice and Problem Solving A/B or C
<input type="checkbox"/> Reteach		<input type="checkbox"/> Challenge	<input type="checkbox"/> Success for English Learners
			<input type="checkbox"/> Online Multilingual Glossary