

Monday 10/30/2023	Tuesday 10/31/2023	Wednesday 11/01/2023	Thursday 11/02/2023	Friday 11/03/2023
7th Grade 1.1 - 1.5 Review Day Learning Target <i>Students can identify proportional relationships by graphing on the coordinate plane.</i> Standards 7.RP.2a Decide whether two quantities are in a proportional relationship, e.g., by testing for equivalent ratios in a table or graphing on a coordinate plane and observing whether the graph is a straight line through the origin. 7.RP.2 Recognize and represent proportional relationships between quantities. Instruction Warm Up: #36 Vocab: proportional, quadrants, ordered pair, origin, x-axis, y-axis, x-coordinate, y-coordinate - discuss Talk About It Thursday problem - 1.1 - 1.5 Review Blooket (Battle Royale) - 20 questions over the first 5 lessons (quiz next week) - watch 1.6 EDPuzzle for Monday Assessment	7th Grade 1.6 - Solve Proportional Relationship Learning Target <i>Students will solve proportional relationships using the cross-product property.</i> Standards 7.RP.2 Recognize and represent proportional relationships between quantities. 7.RP.3 Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error. 7.RP.2c Represent proportional relationships by equations. For example, if total cost t is proportional to the number n of items purchased at a constant price p , the relationship between the total cost and the number of items can be expressed as $t = pn$. Instruction Warm Up: #37 Vocab: proportion, cross-product property	7th Grade 1.6 - Solve Proportional Relationships Learning Target <i>Students will solve proportional relationships using the cross-product property.</i> Standards 7.RP.2 Recognize and represent proportional relationships between quantities. 7.RP.3 Use proportional relationships to solve multistep ratio and percent problems. Examples: simple interest, tax, markups and markdowns, gratuities and commissions, fees, percent increase and decrease, percent error. 7.RP.2c Represent proportional relationships by equations. For example, if total cost t is proportional to the number n of items purchased at a constant price p , the relationship between the total cost and the number of items can be expressed as $t = pn$. Instruction Warm Up: #38 Vocab: proportion, cross-product property	7th Grade 1.6 - Solve Proportional Relationships Learning Target <i>Students will solve proportional relationships using the cross-product property.</i> Standards 7.RP.2 Recognize and represent proportional relationships between quantities. 7.RP.2c Represent proportional relationships by equations. For example, if total cost t is proportional to the number n of items purchased at a constant price p , the relationship between the total cost and the number of items can be expressed as $t = pn$. Instruction Warm Up: #39 - Talk About It Thursday Vocab: proportion, cross-product property - practice writing equations such as $c = 1.25p$ (c is the cost and p is the pounds) - 5 problems (writing the equation and using them to solve) - use the 1.6 Equation Flipchart	No School Day No School Day

1.6 EDPuzzle

8th Grade

3.1 - Constant Rate of Change

Learning Target

Students can identify proportional and nonproportional linear relationships by finding a constant rate of change, while understanding that the unit rate and slope is the same thing as the rate of change.

Standards

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. For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed.

Instruction

Warm Up: #36

Vocab: linear relationship, constant rate of change

Test Finish Day:

- students who have not finish Ch. 2 test will start the class doing so
- students who are finished will learn lesson 3.1 by watching the EDPuzzle

- check Got It?'s
- Partner practice: Guided Practice p. 58
- class practice using 1.6 flipchart (writing proportions and equations)

Assessment

1.6 Self Check Quiz (Exit Ticket)

8th Grade

3.1 - Constant Rate of Change

Learning Target

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Standards

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Instruction

Warm Up: #37

- class practice on solving proportions using cross-product property
- use Desmos to pace the class
- students must complete and show work on scratch paper
- work will be checked at end of class
- start on McGraw Hill assignment

Assessment

1.6 McGraw Hill Online Assessment

8th Grade

3.2 - Slope

Learning Target

Students will make connections on how rate of change and slope are related.

Standards

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. For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed.

Instruction

Warm Up: #38

Vocab: slope, rate of change

- 1.6 Writing Equation Stations

Assessment

1.6 Writing Equation Stations

8th Grade

3.2 - Slope

Learning Target

Students will be able to find slope from a table or a graph.

Standards

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. For example, compare a distance-time graph to a distance-time equation to determine which of two moving objects has greater speed.

Instruction

Warm Up: #39 - Talk About It Thursday

Vocab: slope, slope formula

- discuss yesterday's lab (how is slope and rate of change related?)
- complete Vocab Start Up on p. 181 (What is slope? How is it related to other math concepts? Where have you seen slope in the real world?)

- when finished the should complete p. 175 as a completion check
- Think, Pair, Share: Real-World link on p. 171 Quizizz Interactive Lesson 3.1
- walk through examples on p. 172 - 174, students complete Got It ?'s
- students work on p. 175 - 176 (1 - 10) as a completion check

Assessment

p. 175 (1 - 9) Completion Check

Quizizz Lesson
Link: http://quizizz.com/admin/presentation/61789fa75f5b79001d14bdb5?source=lesson_share

Vocab: linear relationship, constant rate of change

- discuss and go over the complete problems (1 - 10 on p. 175 - 176) from yesterday
- talk about and complete 3 examples to review how to find rate of change and proportional relationships
- students will get a majority of the class to work on 3.1 Go Formative that has the students (1) finding rate of change in a table or graph, (2) determining if a relationship is linear and proportional, (3) interpreting rate of change in terms of a real-world scenario

Assessment

3.1 Formative

- students will be doing an interactive lab today to discover how rate of change and slope are related
- Complete the Slope Go Formative lab

Students will Discover:

1. Characteristics of slope (what makes a slope positive, negative, 0, or undefined)
2. how to find slope by using two points on a line and finding the rise and run
3. how to use the slope formula
4. how rate of change and slope are related

Assessment

Slope Go Formative Activity

- use PowerPoint presentation to teach lesson 3.2 (p. 182 - 184)
- any work time to start on 3.2 McGraw Hill online assignment

Assessment

3.2 McGraw Hill