Learning Targets

## Learning Targets

### Introducing Proportional Relationships

### Lesson 1: One of These Things Is Not Like the Others

* I can use equivalent ratios to describe scaled copies of shapes.
* I know that two recipes will taste the same if the ingredients are in equivalent ratios.

### Lesson 2: Introducing Proportional Relationships with Tables

* I can use a table to reason about two quantities that are in a proportional relationship.
* I understand the terms proportional relationship and constant of proportionality.

### Lesson 3: More about Constant of Proportionality

* I can find missing information in a proportional relationship using a table.
* I can find the constant of proportionality from information given in a table.

### Lesson 4: Proportional Relationships and Equations

* I can write an equation of the form $y=kx$ to represent a proportional relationship described by a table or a story.
* I can write the the constant of proportionality as an entry in a table.

### Lesson 5: Two Equations for Each Relationship

* I can find two constants of proportionality for a proportional relationship.
* I can write two equations representing a proportional relationship described by a table or story.

### Lesson 6: Using Equations to Solve Problems

* I can find missing information in a proportional relationship using the constant of proportionality.
* I can relate all parts of an equation like $y=kx$ to the situation it represents.

### Lesson 7: Comparing Relationships with Tables

* I can decide if a relationship represented by a table could be proportional and when it is definitely not proportional.

### Lesson 8: Comparing Relationships with Equations

* I can decide if a relationship represented by an equation is proportional or not.

### Lesson 9: Solving Problems about Proportional Relationships

* I can ask questions about a situation to determine whether two quantities are in a proportional relationship.
* I can solve all kinds of problem involving proportional relationships.

### Lesson 10: Introducing Graphs of Proportional Relationships

* I know that the graph of a proportional relationship lies on a line through $(0,0)$.

### Lesson 11: Interpreting Graphs of Proportional Relationships

* I can draw the graph of a proportional relationship given a single point on the graph (other than the origin).
* I can find the constant of proportionality from a graph.
* I understand the information given by graphs of proportional relationships that are made of up of points or a line.

### Lesson 12: Using Graphs to Compare Relationships

* I can compare two, related proportional relationships based on their graphs.
* I know that the steeper graph of two proportional relationships has a larger constant of proportionality.

### Lesson 13: Two Graphs for Each Relationship

* I can interpret a graph of a proportional relationship using the situation.
* I can write an equation representing a proportional relationship from a graph.

### Lesson 14: Four Representations

* I can make connections between the graphs, tables, and equations of a proportional relationship.
* I can use units to help me understand information about proportional relationships.

### Lesson 15: Using Water Efficiently

* I can answer a question by representing a situation using proportional relationships.



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