

Module 1:

Lesson 2: Understanding Proportional Relationships

Proportion

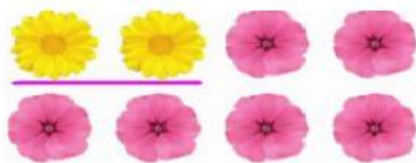
$$\frac{a}{b} = \frac{c}{d}$$

1. Find:

apples to oranges



Ratio of apples to oranges (a:b) =



Ratio of roses to sunflowers =

Are they proportional (yes/no) =

2. Find:



Ratio of triangles to circles =



Ratio of blue marbles to purple marbles = _____ = _____

Are they proportional (yes/no) = _____

3. Check proportionality:

Hint: Simplify the ratio

3:9 = _____

27:81 = _____

Are they proportional (yes/no) = _____

4.

The recipe for a homemade glass cleaner indicates to use a ratio of 1 part vinegar to 4 parts water. Elyse used 3 tablespoons of vinegar and 12 tablespoons of water to make the cleaner.

Ratio of vinegar to water (homemade cleaner) = _____

Ratio of vinegar to water (Elyse made) = _____ = _____

Are they proportional (yes/no) = _____

5.

A 5-mile taxi ride in one city costs Ayana \$25. A 4-mile taxi ride in a different city costs \$18. Assume the cost in each city is the same amount per mile.

Hint: Find the cost per mile

Cost per mile (city 1) = \$ _____

Cost per mile (city 2) = \$

Are they proportional (yes/no) =