

Ratios and Proportional Relationships Task Cards

CC Standards
7.RP.1, 7.RP.2, 7.RP.3

1.

Jessica uses 15 fluid ounces of water with 20 teaspoons of sugar to make lemonade.

Write another **ratio** with the same relationship.

2.

Jack uses 3 cups of milk with 2 scoops of ice cream to make his famous milk shakes. Write another **ratio** with the same relationship.

3.

Laura spent \$20 for 5 books. Bryan spent \$36 for 9 books. If this is a proportional relationship, what is the constant of proportionality between money and books bought?

4.

Jamaal spent \$10 for 5 tacos at Taco Bell. Latoya spent \$20 for 10 tacos at Taco Express. If this is a proportional relationship, what is the constant of proportionality between money and tacos?

5.

How do you find the constant of proportionality when given x and y ?

x	y
2	6
3	9
4	12

6.

How do you find y when given the constant and x ?

$$k = 5$$

x	y
1	
2	
3	

7.

How do you find x when given the constant and y ?

$$k = 7$$

x	y
	14
	21
	28

8.

In order for a graph to be proportional it needs to have 2 specific qualities. What are they?

9.

If a graph has a curved line is it proportional or non-proportional?

10.

Is the table proportional?

x	y
5	30
10	60
13	72

Write an equation for the table.

11.

Is the table proportional?

x	y
7	28
3	12
9	36

Write an equation for the table.

12.

Is the table proportional?

x	y
5	15
2	12
8	16

13.

Jordan typed 600 words in 20 minutes. How many words can Jordan type in 1 minute?

14.

Is the table proportional?

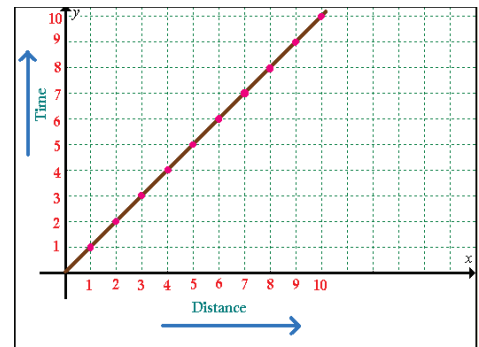
x	y
6	12
10	40
7	14

15.

Sue rode her bike 60 miles in 4 hours. How many miles did Sue ride in 1 hour?

16.

Is the graph proportional?



17.

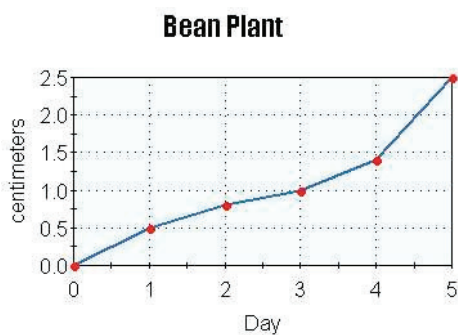
Judy bought 12 roses for \$36. Jackie bought 20 roses for \$80. Which is the better buy?

18.

Cecilia bought 5 games of bowling for \$25 and Frankie bought 7 games for \$42. Which is the better buy?

19.

Is the graph proportional?



20.

What is the unit rate of the graph??

