

Unit 2

Ratios & Proportional Relationships

Homework

PROPORTIONAL RELATIONSHIPS IN A TABLE & GRAPH

Created By:

Math in Demand

Get Connected with Math in Demand

Please don't
forget to
rate me.
Click here!!!



Teachers Pay Teachers Store



Check Out My Blog



Visit My Pinterest

Click on the
buttons to
learn more
about me!



Watch My Videos



Email Me

Thank you!!!

Ratios & Proportional Relationships

(Proportional Relationships in a Table & Graph)

Circle One
Due: M T W Th F

Directions: Answer problems #1-5. Show all of your work!

1

Explain how a table of values represents a proportional relationship:

2

Explain how a graph represents a proportional relationship:

5

Plot the points onto the graph. Does the graph represent a proportional relationship?

x	y
0	0
2	3
4	6
6	9
8	12

Circle One:
Yes OR No

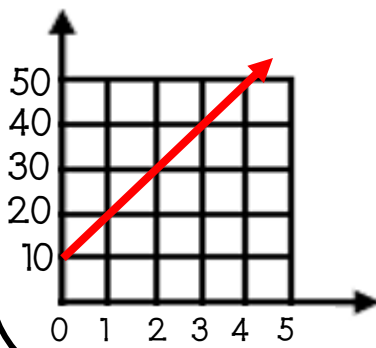
Determine if the following represents a proportional relationship:

x	y
0	4
1	8
2	12
3	16

Circle One:
Yes OR No

Explain:

Determine if the following represents a proportional relationship:



Circle One:
Yes OR No

Explain:

3

4

Ratios & Proportional Relationships

(Proportional Relationships in a Table & Graph)

Directions: Answer problems #6-8. Show all of your work!

6

Find the mistake!

Circle the mistake below and explain why it is wrong:

Determine if the following represents a proportional relationship:

x	y
0	6
1	12
2	24
3	48

Yes, the table represents a proportional relationship because $\frac{12}{1} = \frac{24}{2} = \frac{48}{3}$.
All of these fractions are equal to 12.

Explanation:

7

Be Creative!

Create your own word problem and solve below:

8

Reflection:

From this homework assignment, I ...

Ratios & Proportional Relationships

(Proportional Relationships in a Table & Graph)

Circle One
Due: M T W Th F

Directions: Answer problems #1-5. Show all of your work!

1 Explain how a table of values represents a proportional relationship:

A table represents a proportional relationship when it goes through the origin (0,0) and $\frac{y}{x}$ is constant.

2 Explain how a graph represents a proportional relationship:

A graph represents a proportional relationship when it goes through the origin (0,0) and is linear (a straight line).

5 Plot the points onto the graph. Does the graph represent a proportional relationship?

x	y
0	0
2	3
4	6
6	9
8	12

Circle One: Yes OR No

Determine if the following represents a proportional relationship:

x	y
0	4
1	8
2	12
3	16

Circle One: Yes OR No

Explain:

A proportional relationship goes through the origin (0,0). The point (0,4) does not go through the origin.

Determine if the following represents a proportional relationship:

Circle One: Yes OR No

Explain:

The graph does not go through the origin (0,0).

Ratios & Proportional Relationships

(Proportional Relationships in a Table & Graph)

Directions: Answer problems #6-8. Show all of your work!

6

Find the mistake!

Circle the mistake below and explain why it is wrong:

Determine if the following represents a proportional relationship:

x	y
0	6
1	12
2	24
3	48

Yes, the table represents a proportional relationship because $\frac{12}{1} = \frac{24}{2} = \frac{48}{3}$.
All of these fractions are equal to 12.

Explanation:

The table does not represent a proportional relationship because it does not go through the point (0,0).

7

Be Creative!

Create your own word problem and solve below:

In order to receive credit, students need to create their own word problem and solve it. They will not receive credit if they do not provide a word problem.

Also, it needs to be a word problem involving proportional relationships in a table and graph.

8

Reflection:

From this homework assignment, I ...

Students need to write a good reflection about 2-3 sentences long. They cannot write "I learned how to do math" or anything similar. The reflection needs to show serious thought.

© 2018 Math in Demand. The download of my homework includes a limited use license from Math in Demand. You may only use the resource for personal classroom use.

Hence,

- 1.) This purchase does not allow you to transfer it to others such as another teacher, school, or district. You must purchase an additional license.
- 2.) You may not sell my homework.
- 3.) You may not place my homework on the internet.
- 4.) You may not use any part of my homework to sell or create your own.

Violating these terms is against the Digital Millennium Copyright Act (DMCA).

Credits

Paula Kim Studio



Media Icons by Grade ONEderful at:

<http://www.GradeONEderful.com>

Font and graphics by:

<http://www.teacherspayteachers.com/Store/Courtney-Keimer>

<https://www.teacherspayteachers.com/Store/Sonya-Dehart-Design>