

Math 6 - Unit 2: Rates, Ratios & Proportions

Name: _____


Proportional Relationships

Class Period: 1 2 3 4 Date: _____

Problem	Ratio in Words	Set up Proportion & Solve	Your Solution (in a complete sentence)
EXAMPLE: DVD's cost \$12 for 4. How much do 16 DVD's cost?	$\frac{\text{money}}{\text{DVD's}}$	$\frac{12}{4} = \frac{x}{16}$	Sixteen DVD's cost \$48.
1) You need 4 pounds of beef to make 14 tacos. How many tacos can you make with 6 pounds of beef?			
2) It takes you 4 hours to drive 300 miles. How far can you drive in 10 hours?			
3) Luz sent 120 texts in the last 12 days. At that rate, how many texts would she send in 30 days?			
4) A recipe for M&M's cookies requires 2 cups of M&M's to make 12 cookies. How many cookies can be made with 7 cups of M&M's?			
5) For every 30 points his team scored, Christian scored 8. If he scored 20 points, how many points did his team score?			

Problem	Ratio in Words	Set up Proportion & Solve	Your Solution (in a complete sentence)
6) The ratio of boys to girls in a class is 5 to 4. If there are 15 boys, how many girls are there?			
7) The ratio of adult tickets to child tickets sold at a movie theater is 9 to 2. If 80 children attended a movie on Sunday, how many adults attended?			
8) A recipe calls for 6 pickles to make 8 servings of pickle pie. If you need to make 36 servings, how many pickles do you need?			
9) Ariya spent \$6 on 4 giant Reese's PB Cups. How much would it cost for her to buy 30 giant Reese's PB Cups?			
10) Donald Duck drove 300 km in 4 hours. At this rate, how far could he drive in 5 hours?			

Rate Yourself! (Circle one of the emojis below.)

 <p>I get it and I can teach my friends!</p>	 <p>I get it and can explain it! I only know the way you taught me.</p>	 <p>I kind of- sort of get it. I can do the easy parts, but need help to do the rest.</p>	 <p>I DON'T GET IT! Even with help, I am having trouble.</p>
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Name: _____

*Proportional Relationships***ANSWER KEY**

Class Period: 1 2 3 4 Date: _____

Problem	Ratio in Words	Set up Proportion & Solve	Your Solution (in a complete sentence)
EXAMPLE: DVD's cost \$12 for 4. How much do 16 DVD's cost?	$\frac{\text{money}}{\text{DVD's}}$	$\frac{12}{4} = \frac{x}{16}$	Sixteen DVD's cost \$48.
11) You need 4 pounds of beef to make 14 tacos. How many tacos can you make with 6 pounds of beef?			You can make <u>21</u> tacos.
12) It takes you 4 hours to drive 300 miles. How far can you drive in 10 hours?			You can drive <u>750</u> miles in 10 hours.
13) Luz sent 120 texts in the last 12 days. At that rate, how many texts would she send in 30 days?			She will send <u>300</u> texts in 30 days.
14) A recipe for M&M's cookies requires 2 cups of M&M's to make 12 cookies. How many cookies can be made with 7 cups of M&M's?			<u>42</u> cookies can be made with 7 cups of m&m's.
15) For every 30 points his team scored, Christian scored 8. If he scored 20 points, how many points did his team score?			His team scored <u>75</u> points.

Problem	Ratio in Words	Set up Proportion & Solve	Your Solution (in a complete sentence)
16) The ratio of boys to girls in a class is 5 to 4. If there are 15 boys, how many girls are there?			There are <u>12</u> girls.
17) The ratio of adult tickets to child tickets sold at a movie theater is 9 to 2. If 80 children attended a movie on Sunday, how many adults attended?			<u>360</u> adults attended.
18) A recipe calls for 6 pickles to make 8 servings of pickle pie. If you need to make 36 servings, how many pickles do you need?			You need <u>27</u> pickles.
19) Ariya spent \$6 on 4 giant Reese's PB Cups. How much would it cost for her to buy 30 giant Reese's PB Cups?			It would cost <u>\$45</u> .
20) Donald Duck drove 300 km in 4 hours. At this rate, how far could he drive in 5 hours?			He could drive <u>375</u> miles in 5 hours.

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