

Math 6 - Unit 2: Ratios, Rates & Proportional Reasoning Name: _____

Get a Clue (Ratios & Rates)

Class Period: 1 2 3 4 Date: _____

Solve each problem. Show ALL work and CIRCLE your answers. Use your answers and the answer table to remove options and figure out Who? Where? and What?

1) If it costs \$10 for 3 pounds, how much will it cost for 39 pounds?	2) Which rate is equivalent to 15 movies in 10 days? a) 15 movies in 1 day b) 1 movie in 15 days c) 30 movies in 20 days	3) Express the rate as a unit rate in two ways. 5 feet in 10 minutes.						
4) Express the rate as a unit rate in two ways. 10 feet in 5 minutes	5) Find the unit rate: \$3.60 for 9 cookies	6) Which rate is equivalent to 679 tickets sold in 7 days? a) 388 tickets in 4 days b) 495 tickets in 5 days c) 772 tickets in 8 days						
7) Find the unit rate: \$12 for 6 cookies.	8) If it costs \$5 for 2 centimeters, how much will 12 centimeters cost?	9) What numbers could complete the following ratio table? <table border="1" data-bbox="1167 1283 1401 1381"><tbody><tr><td>1</td><td>7</td><td></td></tr><tr><td></td><td>14</td><td>48</td></tr></tbody></table>	1	7			14	48
1	7							
	14	48						
10) Kasey read 12 books in 6 weeks. What is the unit rate of books per week?	11) If there are 7 pink balloons for every 12 blue balloons, how many pink balloons would there be if there are 36 blue balloons?	12) Which is the better buy? Product A: \$15 for 3 oz. Product B: \$20 for 5 oz.						

13) Who drove faster? Andrew: 20 miles in 4 hours Sydney: 240 miles in 6 hours	14) There are 2 Auburn Fans for every 3 Alabama fans. Write the ratio of Alabama fans to Auburn fans in three ways.	15) Which is the better buy? Product D: \$2.40 for 6 items Product E: \$5.60 for 8 items						
16) There are 5 Tennessee fans for every 7 Georgia fans. Write the ratio of Tennessee fans to Georgia fans in three ways.	17) Find the unit rate: \$11 for 4 cookies	18) What numbers could complete the following ratio table? <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>2</td> <td></td> <td>28</td> </tr> <tr> <td>3</td> <td>9</td> <td></td> </tr> </table>	2		28	3	9	
2		28						
3	9							
19) If it costs \$12 for 6 square feet, how much will it cost for 3 square feet?	20) If there are 3 blue marbles for every 5 green marbles, how many green marbles would you have if you have 27 blue marbles?	21) An animal shelter recorded 24 puppies adopted in 4 days, what is the unit rate of puppies per day?						

	Who?	Where?	What?
<p>Find your answers in the table to the right and cross out the whole box. When you are done you will be left with one person, one place and one thing to solve the mystery.</p> 	Monica 2 minutes per foot $\frac{1}{2}$ feet per minute	Chandler c	Joey 6, 42
	Phoebe e	Ross \$6	Rachel \$2.75 per cookie
	Gunther b	Mr. Geller 2 books per week	Central Perk \$0.40 per cookie
	Apartment 2, 24	Hospital a	Restaurant $3:2, 3$ to $2, \frac{3}{2}$
	Bank Vestibule \$2 per cookie	England \$130	San Diego Zoo $2:3, 2$ to $3, \frac{2}{3}$
	Airport 2 feet per minute $\frac{1}{2}$ minute per foot	Turkey D	Foosball Table Andrew
	Picture Frame 45	Guitar 21	Key 6 puppies per day
	Purple Key $5:7, 5$ to $7, \frac{5}{7}$	Coffee Cup Sydney	Prom Dress \$30

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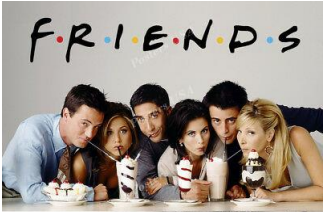
ANSWER KEY

Class Period: 1 2 3 4 Date: _____

Solve each problem. Show ALL work and CIRCLE your answers. Use your answers and the answer table to remove options and figure out Who? Where? and What?

<p>1) If it costs \$10 for 3 pounds, how much will it cost for 39 pounds?</p> <p>\$130</p>	<p>2) Which rate is equivalent to 15 movies in 10 days?</p> <p>a) 15 movies in 1 day b) 1 movie in 15 days c) 30 movies in 20 days</p> <p>c</p>	<p>3) Express the rate as a unit rate in two ways.</p> <p>5 feet in 10 minutes.</p> <p>.5 ft/min 2 min/ft</p>						
<p>4) Express the rate as a unit rate in two ways.</p> <p>10 feet in 5 minutes</p> <p>2 ft/min .5 min/ft</p>	<p>5) Find the unit rate:</p> <p>\$3.60 for 9 cookies</p> <p>\$0.40 per ounce</p>	<p>6) Which rate is equivalent to 679 tickets sold in 7 days?</p> <p>a) 388 tickets in 4 days b) 495 tickets in 5 days c) 772 tickets in 8 days</p> <p>a</p>						
<p>7) Find the unit rate:</p> <p>\$12 for 6 cookies.</p> <p>\$2 per cookie</p>	<p>8) If it costs \$5 for 2 centimeters, how much will 12 centimeters cost?</p> <p>\$30</p>	<p>9) What numbers could complete the following ratio table?</p> <table border="1" data-bbox="1167 1299 1401 1398"><tbody><tr><td>2</td><td>6</td><td>28</td></tr><tr><td>3</td><td>9</td><td>42</td></tr></tbody></table>	2	6	28	3	9	42
2	6	28						
3	9	42						
<p>10) Kasey read 12 books in 6 weeks. What is the unit rate of books per week?</p> <p>2 books per week</p>	<p>11) If there are 7 pink balloons for every 12 blue balloons, how many pink balloons would there be if there are 36 blue balloons?</p> <p>21</p>	<p>12) Which is the better buy?</p> <p>Product A: \$15 for 3 oz. Product B: \$20 for 5 oz.</p> <p>b</p>						

<p>13) Who drove faster? Andrew: 20 miles in 4 hours Sydney: 240 miles in 6 hours</p> <p style="text-align: center;">Sydney</p>	<p>14) There are 2 Auburn Fans for every 3 Alabama fans. Write the ratio of Alabama fans to Auburn fans in three ways.</p> <p style="text-align: center;">3:2, 3 to 2, 3/2</p>	<p>15) Which is the better buy? Product D: \$2.40 for 6 items Product E: \$5.60 for 8 items</p> <p style="text-align: center;">d</p>						
<p>16) There are 5 Tennessee fans for every 7 Georgia fans. Write the ratio of Tennessee fans to Georgia fans in three ways.</p> <p style="text-align: center;">5:7, 5to7, 5/7</p>	<p>17) Find the unit rate: \$11 for 4 cookies</p> <p style="text-align: center;">\$2.75 per cookie</p>	<p>18) What numbers could complete the following ratio table?</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">6</td> <td style="text-align: center;">28</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">9</td> <td style="text-align: center;">42</td> </tr> </table>	2	6	28	3	9	42
2	6	28						
3	9	42						
<p>19) If it costs \$12 for 6 square feet, how much will it cost for 3 square feet?</p> <p style="text-align: center;">\$6</p>	<p>20) If there are 3 blue marbles for every 5 green marbles, how many green marbles would you have if you have 27 blue marbles?</p> <p style="text-align: center;">45</p>	<p>21) An animal shelter recorded 24 puppies adopted in 4 days, what is the unit rate of puppies per day?</p> <p style="text-align: center;">6 puppies per day</p>						

	Who?	Where?	What?
<p>Find your answers in the table to the right and cross out the whole box. When you are done you will be left with one person, one place and one thing to solve the mystery.</p> 	Monica 2 minutes per foot ½ feet per minute	Chandler c	Joey 6, 42
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