

Name: _____ Date: _____

Real World Contexts with Number Lines

I can use a number line to display real world contexts.
 Directions: Read the statement below and illustrate using the number line.

1. 12 degrees below 0	2. 100 feet above sea level	3. \$250 deposit into bank
4. 10 lb. weight loss	5. \$100 from	
7. 10,000 feet above sea level	8. Dead	

10. Find the Error: Stephanie had weekend and then deposited \$84 after balanced her account and thinks that

Name: _____ Date: _____

Identifying the Constant of Proportionality

I can identify the constant rate of change in a table, graph, equation, diagram or verbal description.
 Directions: Read the word problem below. Find the unit rate as requested.

1.	2. Andrea is a street artist and draws caricatures. If in four hours she can draw 5 portraits, and in 8 hours, she draw 9 portraits, what is her constant?	3. <table border="1"><tr><td>1st Day</td><td>24</td><td>3</td><td>6</td></tr><tr><td>2nd Day</td><td>32</td><td>4</td><td>8</td></tr></table>	1st Day	24	3	6	2nd Day	32	4	8
1st Day	24	3	6							
2nd Day	32	4	8							
<table border="1"><tr><td>54</td><td>108</td><td>189</td></tr><tr><td>2</td><td>4</td><td>7</td></tr></table>	54	108	189	2	4	7	6. It costs \$18 to send 3 packages to Bonnie's friends and they were all the same amount to ship. What is the constant rate?	9. At the farmers' market Mrs. Garner sees tomatoes for \$3 for 2 pounds. What is the constant rate for the price of tomatoes?		
54	108	189								
2	4	7								

25 minutes, Li can run 10 laps around track, what is her unit rate?

It is a real world situation in which there is a

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Finding Area in Real World Problems

I can solve real world problems involving area of two-dimensional and three-dimensional objects.
 Directions: Solve each word problem below.

1. Mrs. Green wants to paint polka dots on one wall of her office. Each circle will have a 10" radius. If there will be 36 circles on the one wall, what will be the total area covered by the painted polka dots?	2. Vincent wants to find the area covered by a circular dog run at his apartment. The diameter of the dog run measures 48 feet. What is the total area of the dog run?	3. Billy wants to find the difference in the amount of pizza he gets between a 6" pizza and a 10" pizza. How much more area is covered by the 10" pizza?
4. A quarter has a diameter of 24 millimeters. If you	5. The bottom of a circular swimming pool with a	6. A fountain in the middle of town has a diameter of

cubes are rolled together 20 times. A sum of 8 is rolled 5 times. What is the experimental probability of rolling a sum of 8?	sections is spun 60 times. Red was spun 24 times. Compare the experimental probability of spinning red with the theoretical probability.	experimental probability of rolling a sum that is <u>less</u> than 7?
4. Two coins are tossed 10 times and both coins land on heads 6 of those times. Compare the experimental probability to the theoretical probability.	5. In problem 4, what do you think would happen if each coin was tossed 50 times?	6. Suppose you added a third coin to the one on problem 4 and tossed them 10 times and all three coins landed on heads 1 time each. Compare the experimental probability and theoretical probability.

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