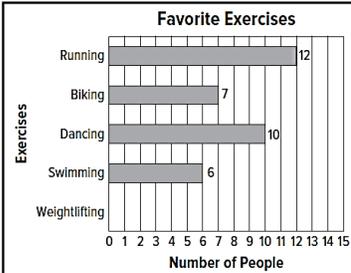


Name:

DMR – Q3.6

Day 1	Day 2	Day 3	Day 4																																								
<p>Antonia buys movies from a store that marks down the price of its products every month by a certain percentage. She refuses to pay more than \$10 for any movie. Select whether Antonia will have to wait more than 2 months to buy each movie.</p> <p><input type="checkbox"/> The original price is \$20, and the markdown is 15%.</p> <p><input type="checkbox"/> The original price is \$15, and the markdown is 19%.</p> <p><input type="checkbox"/> The original price is \$18, and the markdown is 20%.</p>	<p>Anna plants a rectangular vegetable garden in her backyard. The length of the garden is $16g + 24$. The width is $13g - 15$. Write an expression that represents how much longer the garden is than it is wide.</p>	<p>The tables show the weight of animals over time. Select all of the tables that represent a proportional relationship.</p> <table border="1" data-bbox="831 331 1175 378"> <tr><td>Weight (lb)</td><td>14</td><td>31.5</td><td>42</td><td>70</td></tr> <tr><td>Weeks</td><td>4</td><td>9</td><td>12</td><td>20</td></tr> </table> <table border="1" data-bbox="831 394 1175 441"> <tr><td>Weight (g)</td><td>4</td><td>10</td><td>17</td><td>31</td></tr> <tr><td>Days</td><td>8</td><td>20</td><td>34</td><td>62</td></tr> </table> <table border="1" data-bbox="831 457 1175 504"> <tr><td>Weight (kg)</td><td>14</td><td>26</td><td>41</td><td>59</td></tr> <tr><td>Months</td><td>3</td><td>7</td><td>12</td><td>18</td></tr> </table> <table border="1" data-bbox="831 520 1175 567"> <tr><td>Weight (oz)</td><td>1</td><td>10</td><td>25</td><td>30</td></tr> <tr><td>Days</td><td>60</td><td>120</td><td>168</td><td>360</td></tr> </table>	Weight (lb)	14	31.5	42	70	Weeks	4	9	12	20	Weight (g)	4	10	17	31	Days	8	20	34	62	Weight (kg)	14	26	41	59	Months	3	7	12	18	Weight (oz)	1	10	25	30	Days	60	120	168	360	<p>A racecar driver is trying to decrease his lap times by at least 8%. Select whether the driver reached that goal for each description of a lap.</p> <p><input type="checkbox"/> The original time was 2.5 minutes, and the new time is 2 minutes.</p> <p><input type="checkbox"/> The original time was 4 minutes, and the new time is 3 minutes.</p> <p><input type="checkbox"/> The original time was 5.25 minutes, and the new time is 5 minutes.</p> <p><input type="checkbox"/> The original time was 3 minutes, and the new time is 3.15 minutes.</p>
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<p>You go to a restaurant and the meal cost is x dollars. Which <i>two</i> equations would you use to solve the total amount you have to pay with a 18% tip?</p> <p>A $(0.18)x$</p> <p>B $(0.82)x$</p> <p>C $18x + x$</p> <p>D $(0.18)x + x$</p> <p>E $(1.18)x$</p>	<p>The scale on a map shows $1/2$ inch = 150 miles. On that map, Salt Lake City, Utah, and Cleveland, Ohio, are $1/2$ foot away from each other. What is the approximate actual distance between Salt Lake City, Utah, and Cleveland, Ohio?</p>	<p>Alan, Selena, and Tina simplify the expression $5 - 2(x + 2)$. The results are shown.</p> <p>Alan: $9 - 2x$ Selena: $1 - 2x$</p> <p>Tina: $3x + 6$</p> <p>Who is correct?</p>	<p>Emily earned \$4,410 working 3 months during her internship. Interns work 21 days each month. Joe was paid \$5,880 for 4 months of work and says he has a higher rate than Emily. Is Joe's claim correct?</p>																																								
<p>Macys is having a 45% off sale on coats this weekend. If x is the original price of a coat, what will be the final sales price, excluding tax? Select <i>three</i> that apply.</p> <p>A $x(1.00 - 0.45)$</p> <p>B $(0.55)x$</p> <p>C $0.45x$</p> <p>D $0.45x + x$</p> <p>E $x - 0.45x$</p>	<p>Which exercise did about 29% of the students prefer?</p>  <table border="1" data-bbox="461 1171 812 1444"> <caption>Favorite Exercises</caption> <thead> <tr> <th>Exercise</th> <th>Number of People</th> </tr> </thead> <tbody> <tr><td>Running</td><td>12</td></tr> <tr><td>Biking</td><td>7</td></tr> <tr><td>Dancing</td><td>10</td></tr> <tr><td>Swimming</td><td>6</td></tr> <tr><td>Weightlifting</td><td>6</td></tr> </tbody> </table>	Exercise	Number of People	Running	12	Biking	7	Dancing	10	Swimming	6	Weightlifting	6	<p>Select whether each statement contains opposite quantities</p> <p><input type="checkbox"/> A football team gains 10 yards and then loses 7 yards.</p> <p><input type="checkbox"/> Ben earns \$14 tutoring and then spends \$14 on a new DVD.</p> <p><input type="checkbox"/> The temperature rose 30°F during the day and fell 30°F during the night.</p> <p><input type="checkbox"/> A diver started at -20 feet and then dove 20 feet.</p>	<p>Rasida ran 5 more miles than 2 times the number of miles Diallo ran this week. Rasida ran 27 miles this week.</p> <p>Part A: Write an equation that represents this situation, using x to represent the number of miles Diallo ran this week.</p> <p>Part B: How many miles did Diallo run this week?</p>																												
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<p>Kimberly is a hostess at a restaurant. A large party had a bill for \$781.50. The restaurant adds a tip of 18% to the bill. Kimberly receives 8% of the tip, and each server receives $1/5$ of the remaining tip. How much does each server earn?</p>	<p>A vehicle moving at a constant speed travels 45 miles in $3/4$ hour. The driver thinks he will be late to a meeting that is still 65 miles away and that starts in 1.25 hours. Assume he maintains a constant speed. Find the driver's unit rate of speed and explain whether he was late or not.</p>	<p>An explorer is climbing up and rappelling down a series of cliffs and drop-offs. She starts at her base camp, which is on the middle of a mountain. She begins by rappelling down an 82.5-foot drop-off and then climbs a cliff of 30.4 feet. Next she rappels down a 45.5-foot drop-off and then climbs a 25.2-foot cliff. Finally she makes two 45.4-foot climbs. How far above or below her base camp is the explorer now?</p>	<p><i>Simplifying the following expression:</i></p> $6x + 2(3x - 9y + 5) + (-9)$																																								

Daily Math review Expectations

1. Complete all problems each day.
2. Do your original work using a pencil at the beginning of class.
3. Make corrections using a pen, colored pencil, or marker during our whole class discussion.
4. If you are absent, you are still responsible for completing all of the problems.
5. Turn this in each Friday for a grade out of 18 points for accuracy.

Grade: _____/16