


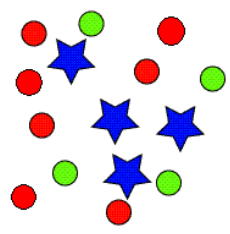


### Unit 2 Quiz 1

<p>1. Jessica has a bag of marbles. In her bag, she has 5 red marbles, 7 yellow marbles, and 4 blue marbles. What is the ratio of blue to yellow marbles?</p> <p>A. 7:4                      B. 5:7 C. 7:5                      D. 4:7</p>	<p>2. In a box of 48 oranges 1 in every 6 oranges is rotten. How many rotten oranges are there?</p>  <p>A. 6 oranges              B. 7 oranges C. 8 oranges              D. 9 oranges</p>
<p>3. A recipe for <math>\frac{1}{2}</math> a chocolate cake calls for 6 cups of sugar, 2 tablespoons of salt, 3 cups of water, and <math>\frac{1}{2}</math> of a bag of cake mix. How much sugar would you need for 5 cakes?</p>  <p>A. 6 cups                      B. 30 cups C. 15 cups                      D. 60 cup</p>	<p>4. Jack makes purple paint by mixing 12 tablespoons of blue paint and 4 tablespoons of red paint. Select the following statements that are false.</p> <p>A. 6 tablespoons of blue and 2 tablespoons of red would produce the same shade of paint as the mixture above. B. Mixing tablespoons of blue to red in a ratio of 8:24 would produce the same mixture. C. Mixing 12 tablespoons of red and 4 tablespoons of blue would make the same purple. D. Mixing tablespoons of blue to red in a ratio of 4:1 would produce the same mixture.</p>
<p>5. Which of the following is an equivalent ratio to <math>\frac{4}{5}</math>?</p> <p>A. <math>\frac{8}{15}</math>                      B. <math>\frac{12}{15}</math> C. <math>\frac{36}{40}</math>                      D. <math>\frac{20}{30}</math></p>	<p>6. Robert's recipe has 5 onions and 9 tomatoes for the pizza. Jeff's recipe has 8 onions and 10 tomatoes for the pizza. Whose recipe has a lower ratio of onions to tomatoes?</p> <p>A. Robert                      B. They have the same ratio. C. Jeff                          D. Not enough information</p>
<p>7. Sophia is selling boxes of Girl Scout cookies. For every 20 boxes she sells, she raises \$15 for charity. If Sophia's has a goal of raising \$60, how many boxes of cookies does she need to sell? Use the number line to solve.</p> <p>\$15</p>  <p>20</p> <p>A. 40 boxes                      B. 60 boxes C. 80 boxes                      D. 100 boxes</p>	<p>8. Which of the following ratios is not 4:9?</p> <p>A. 8:18 B. 12:36 C. 20:45 D. 16:36</p> 
<p>9. Six family size bags of chips cost \$15.00. What is the cost per bag? How much would 11 bags cost?</p> <p>A. \$1.50/bag, \$16.50              C. \$2.50/bag, \$27.50 B. \$3.00/bag, \$33.00              D. none of the above</p>	<p>10. If you can buy 15 sodas for \$9.00, how much would you pay for 2 sodas?</p> <p>A. \$0.60                      C. \$2.50 B. \$1.20                      D. \$3.33</p>

### Answers:

1.	2.	3.	4.	5.
6.	7.	8.	9.	10.