

Unit 3 Test

<p>1. There are 15 pieces of fruit in a bowl and 6 of them are apples. What percentage of the pieces of fruit in the bowl are apples?</p> <p>A. 0.06% B. 0.4% C. 6% D. 40%</p>	<p>2. Select all of the trips that would take 2 hours.</p> <p>A. Drive 60 miles per hour between Buffalo and Seneca Falls, which are 120 miles apart.</p> <p>B. Walk 3 miles per hour to school, which is 1.5 miles away.</p> <p>C. Take a train going 80 miles per hour from Albany to New York City, which are 160 miles apart.</p>						
<p>3. Lin's family has completed 70% of a trip. They have traveled 35 miles. How far is the trip?</p> <p>A. 24.5 mi B. 50 mi C. 59.5 mi D. 200 miles</p>	<p>4. Lin runs 12 laps around a track in 15 minutes.</p> <p>A. How many minutes per lap is that? _____</p> <p>B. How many laps per minute is that? _____</p> <p>C. If Lin runs 20 laps at the same rate, how long does it take her? _____</p>						
<p>5. A ship captain is mapping a trip and wants to know the distance the ship will travel over certain time intervals. Assuming that the ship travels at a constant speed, what is its speed (miles per hour)?</p> <table border="1"><thead><tr><th>Time (hours)</th><th>Distance (miles)</th></tr></thead><tbody><tr><td>1.5</td><td>60</td></tr><tr><td> </td><td> </td></tr></tbody></table> <p>A. 90mph B. 40mph C. 45mph D. 80 mph</p>	Time (hours)	Distance (miles)	1.5	60			<p>6. Which weighs more: a watermelon that weighs 7.5 kilograms or a baby that weighs 12 pounds? (Note: 1 pound is about 0.45 kilograms.)</p> <p>A. Watermelon B. baby C. weigh the same</p>
Time (hours)	Distance (miles)						
1.5	60						
<p>7. Elena and Jada are 12 miles apart on a path when they start moving toward each other. Elena runs at a constant speed of 5 miles per hour, and Jada walks at a constant speed of 3 miles per hour. How long does it take until Elena and Jada meet?</p> <p>A. 1.5 hrs B. 1 hr. C. 2 hrs. D. 2.5hrs</p>	<p>8. It takes Jada 20 minutes to walk to school. It takes Andre 80% as long to walk to school. How long does it take Andre to walk to school?</p> <p>A. 25 min B. 20 min C. 18 min D. 16 min</p>						

<p>9. There are 7568 milliliters in 2 gallon, and there are 4 quarts in 1 gallon. How many liters are in 1 quart?</p> <p>A.0.946L B. 0.0946L C. 9.46L D. 946L</p>	<p>10. A jet plane can carry up to 200,000 liters of fuel. It used 130,000 liters of fuel during a flight. What percentage of the fuel capacity did it NOT use on this flight?</p> <p>A. 35% B. 65% C. 154% D. 78%</p>												
<p>11. Clare says, "This classroom is 11 meters long. A meter is longer than a yard, so if I measure the length of this classroom in yards, I will get less than 11 yards." Do you agree with Clare?</p> <p>a. Yes B. No C. Not enough information</p>	<p>12. Order these three values from least to greatest. Explain or show your reasoning.</p> <p>a. 65% of 80 b. 82% of 50 c. 170% of 30</p>												
<p>13. Priya's family exchanged 250 dollars for 4,250 pesos. Priya bought a sweater for 510 pesos. How many dollars did the sweater cost?</p> <table border="1"> <thead> <tr> <th>pesos</th><th>dollars</th></tr> </thead> <tbody> <tr> <td>4,250</td><td>250</td></tr> <tr> <td></td><td>25</td></tr> <tr> <td></td><td>1</td></tr> <tr> <td></td><td>3</td></tr> <tr> <td>510</td><td></td></tr> </tbody> </table>	pesos	dollars	4,250	250		25		1		3	510		<p>14. A farm lets you pick 3 pints of raspberries for \$12.00. At this rate, how many pints can you afford for \$20.00? _____ At this rate, how much will 8 pints of raspberries cost? _____</p>
pesos	dollars												
4,250	250												
	25												
	1												
	3												
510													
<p>15. A corn vendor at a farmer's market was selling a bag of 8 ears of corn for \$2.56. Another vendor was selling a bag of 12 for \$4.32. Which bag is the better deal? Explain or show your reasoning.</p> <p>A. 8 ears B. 12 ears C. Cost the same</p>	<p>16. A bathtub can hold 80 gallons of water. The faucet flows at a rate of 4 gallons per minute. What percentage of the tub will be filled after 8 minutes?</p> <p>A. 30% B. 40% C. 50% D. 60%</p>												

Answers:

1.	2.	3.	4. _____,_____,_____	5.	6.	7.	8.
9.	10.	11.	12. _____,_____._____	13.	14. _____, _____	15.	16.