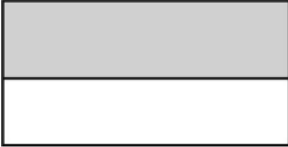


**UNIT**  
**3****Proportionality: Ratios and Rates****Unit Test: D**

- Effie ate 4 peaches. This represents 50% of the bag of peaches. How many peaches were originally in the bag?  
A 4  
B 6  
C 8
- Approximately what percent of the rectangle below is shaded?  
  
A 25%  
B 50%  
C 75%
- The ratio of red marbles to blue marbles in Simran's bag is equal to 1 to 1. If there are 20 red marbles, how many blue marbles are there?  
A 20  
B 30  
C 40
- Jessie filled a container of water with 200 milliliters. Zaria filled a different container with 400 milliliters. How much more water did Zaria have, in **liters**?  
A 0.2 L  
B 20 L  
C 200 L
- The distance on a map between Lake Village and Bay Cove is 2 inches. If 1 inch represents 15 miles, what is the actual distance between Lake Village and Bay Cove?  
A 2 mi  
B 15 mi  
C 30 mi
- The ratio of boys to girls in Mr. Green's class is 4 to 5. There are 8 boys in the class. How many girls are in the class?  
A 5  
B 9  
C 10
- Bethenny completed 20% of a 50-page reading assignment. How many pages did she read?  
A 10  
B 20  
C 50
- Natasha spends 10% of her free time watching television. If she has approximately 300 minutes of free time each day, how many minutes does she spend watching TV?  
A 3 min  
B 10 min  
C 30 min
- Allegra counted 10 red cards and 20 black cards in a deck of cards. What is the ratio of red cards to black cards?  
A 1 : 1  
B 1 : 2  
C 2 : 1
- Arturo can walk 4 miles in 1 hour. How many miles can he walk 3 hours?  
A 12 mi  
B 16 mi  
C 20 mi
- Since 1 inch is equal to 2.54 centimeters what does 1 centimeter equal in inches?  
A 0.25 in.  
B 0.39 in.  
C 1 in.

**UNIT**  
**3**

**Proportionality: Ratios and Rates**

12. Devin purchased a container of sport drink that contains 300 calories. The label says that 80% of the calories are from carbohydrates. How many calories are from carbohydrates?

\_\_\_\_\_

13. Roberta purchased a container of cashews that weighs 5 kilograms. Lennie purchased a container of cashews that weighs 4,900 grams. How many more grams of cashews did Roberta purchase?

\_\_\_\_\_

14. **Favorite Sport**

<b>Football</b>	35%
<b>Baseball</b>	25%
<b>Basketball</b>	30%
<b>Tennis</b>	10%

Luanne recorded the favorite sport of students at her school. She surveyed 200 students. How many students chose Tennis?

\_\_\_\_\_

15. During the election for class president, 40% of the students voted for Kellen, and 60% of the students voted for Robbie. 500 students voted in total. How many more students voted for Robbie than for Kellen?

\_\_\_\_\_

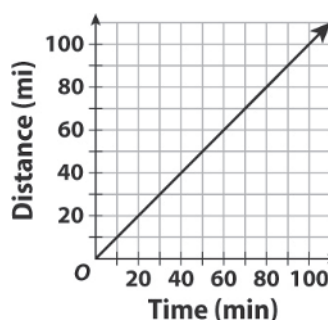
16. The ratio of wooden bats to metal bats in the baseball coach's bag is 2 to 1. If there are 20 wooden bats, how many metal bats are in the bag?

\_\_\_\_\_

17. Manny bought 12 pounds of vegetables at the supermarket. 75% of the vegetables were on sale. How many pounds of vegetables were **not** on sale?

\_\_\_\_\_

18.



The graph above shows the distance traveled by Mr. Wentz as he drove on the freeway. According to the graph, how far did Mr. Wentz travel after driving for 40 minutes?

\_\_\_\_\_

19. How many kilometers are equal to 5 miles?

\_\_\_\_\_

20. Cora bought a package of erasers. There are 4 pink erasers and 12 blue erasers. What is the ratio of pink erasers to blue erasers?

\_\_\_\_\_