

Unit 3: Unit Rates and Percentages

PRACTICE · SET 2

Name: _____ Date: _____

Solve each problem. Show your work where needed and write your final answer on the line.

1. A car travels 180 miles on 6 gallons of gas. What is the unit rate in miles per gallon?

Answer: _____

2. A store sells 12 apples for \$4.80. What is the price per apple in dollars?

Answer: _____

3. A recipe uses 3 cups of flour for every 2 cups of sugar. How many cups of flour are needed for 10 cups of sugar?

Answer: _____

4. What is 25% of 80?

Answer: _____

5. A shirt costs \$40. If it is on sale for 15% off, how much money is taken off the price? Give the discount in dollars.

Answer: _____

6. A runner completes 5 laps in 8 minutes at a constant rate. How many minutes does it take to run 1 lap? Give your answer as a fraction.

Answer: _____

7. 15 is what percent of 60?

Answer: _____

8. A printer prints 90 pages in 3 minutes. At this constant rate, how many pages does it print in 7 minutes?

Answer: _____

9. A number increased to 45 after a 20% is taken. What is 20% of 45?

Answer: _____

10. A bag of 20 marbles is 35% red. How many red marbles are in the bag?

Answer: _____

11. Oranges cost \$6 for 4 pounds. At this unit rate, how much do 9 pounds cost in dollars?

Answer: _____

12. 12 out of 48 students walk to school. What percent of students walk to school?

Answer: _____