

Name: _____ **Unit 4 Day 1 - What is a Percent? Assignment**

Write a proportion or an equation for each problem. Then solve. If necessary, round to the nearest tenth.

1. What percent of 392 is 98?

2. 30 is what percent of 64?

3. 33% of what number is 1.45?

4. 17 is 40% of what number?

5. 80% of what number is 64?

6. 84 is 75% of what number?

7. What percent of 96 is 26?

8. Find 24% of 25.

9. Find 39% of 65.

10. What number is 0.4% of 82.1?

11. Approximately 0.02% of North Atlantic lobsters are born bright blue in color. Out of 5,000 North Atlantic lobsters, how many would you expect to be blue in color?

12. Suppose you earn \$6 per hour at your part-time job. What will your new hourly rate be after a 2.5% raise? Explain your thinking.

13. Karen's grandmother took her family out to dinner. If the dinner was \$74 and Karen's dinner was 20% of the bill, how much was Karen's dinner?

14. If 60% of a number is 18, what is 90% of the number?

15. Charlie bought 6 new books for his collection. This increased his collection by 12%. How many books did he have before his purchases?

16. A store sold 550 games during the month of December. If this made up 12.5% of its yearly video game sales, about how many video games did the store sell all year?

17. Rebekah made a fruit juice using red and green grapes. Thirty percent of the grapes are green. If she used a total of 60 grapes, how many red grapes should she use?

18. David just hired a new employee to work in his bakery. In one hour the new employee burned 625 chocolate chip cookies. If this represented 23% of the day's production, how many cookies were produced that day?

19. A serving of ice cream contains 1200 calories. 144 calories come from fat. What percent of the total calories come from fat?

20. A chef is trimming fat off of some beef. He has 25 pounds of beef and trims 35% of it off as fat. When cooked, the meat will weigh 80% of its raw weight. How many pounds of trimmed, cooked beef will the chef have to serve?



"Success is a journey, not a destination. The doing is often more important than the outcome." Arthur Ashe