

3.1 – 3.2 Review

Name: _____ Per. _____

Solve.

1. What percent of 55 is 22? 2. What number is 59% of 20? 3. 15 is 30% of what number?

4. 8% of what number is 2? 5. 7 is what percent of 105? 6. What is 20% of 65?

7. 10% of what number is 14? 8. 16 is what percent of 200? 9. What number is 25% of 160?

10. What percent of 150 is 60? 11. 1% of what number is 11? 12. What is 0.3% of 120?

13. On his trip across town, Mark was stopped by a red light at 9 out of 15 intersections. At what percent of the intersections is Mark stopped by a red light?

14. On the written portion of her driving test, Sara answered 84% of the questions correctly. If Sara answered 42 questions correctly, how many questions were on the driving test?

15. The largest frog in the world is the goliath, found in West Africa. The frog can grow to be 12 inches long. The smallest frog in the world is about 4% as long as the goliath. What is the approximate length of the smallest frog in the world?

16. Kylie works part time in a greenhouse. She spends 7 hours a week watering plants and 9 hours a week transplanting seedlings. She also spends 4 hours a week filling invoices. What percent of her total time a week is spent watering plants?

17. The Perez family saves 3% of their monthly income for their summer vacation. This past year, they saved \$774 for their vacation. What is their monthly income?

18. You buy \$60 worth of clothes. If the tax is 4% how much do you pay in tax?

a. What is the final cost?

19. Mr. Rice wants to leave a tip of 20% on a dinner bill of \$52.48. How much should he leave?

20. Mike works at RC Willey. He earns 3% commission each week. Last week, Mike sold \$15,750 worth of furniture. How much did he make in commission?

a. How much did RC Willey make from his sales?

21. At a hair salon your cut and color costs \$75.00. You decide to tip well and leave a 22% tip. What is your total bill?

22. A sales person has two options of being paid. Option A is an hourly wage of \$7.50 working 40 hours a week. Option B is a commission of 8% on the weekly sales, estimating \$3600 in sales per week. Which option should she choose?

23. Amelia takes a taxi from the airport to a hotel. The fare is \$31.50. If she wants to leave the taxi driver a 15% tip how much should she leave?

24. Suppose the sales tax is 6%, if your grocery bill is \$75.98, how much will you pay in sales tax?

25. At a real estate agency, an agent sold a house for \$382,000. The commission rate is 5.5% for the real estate agency and the commission for the agent is 30% of the amount the real estate agency gets. How much does the agency make on the house?

a. How much does the agent earn in commission?

