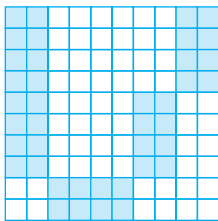


CRCT GPS Practice Chapter 6

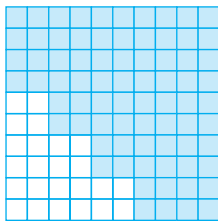
LESSON 6-1

Write the percent modeled by each grid.

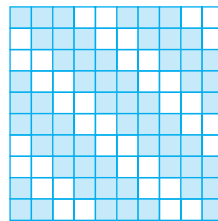
1.



2.



3.



Write each percent as a fraction in simplest form.

4. 14%

5. 110%

6. 20%

7. 9%

Write each percent as a decimal.

8. 27%

9. 7%

10. 125%

11. 0.53%

LESSON 6-2

Write each decimal as a percent.

12. 0.06

13. 0.54

14. 1.69

15. 42.0

16. 0.898

Write each fraction as a percent.

17. $\frac{15}{34}$

18. $\frac{29}{86}$

19. $\frac{33}{44}$

20. $\frac{61}{91}$

21. $1\frac{2}{5}$

Decide whether using pencil and paper, mental math, or a calculator is most useful when solving the following problem. Then solve.

22. Tyler wants to donate 49% of his 50 stuffed animals to the children's hospital. About how many stuffed animals will he donate?

LESSON 6-3

Use a fraction to estimate the percent of each number.

23. 48% of 200

24. 27% of 76

25. 65% of 300

26. 15% of 15

27. Kel has \$25 to spend on a pair of jeans. One pair is on sale for 30% off the regular price of \$29.99. Does she have enough money to buy the jeans? Explain.

Use 1% or 10% to estimate the percent of each number.

28. 21% of 88

29. 19% of 109

30. 2% of 56

31. 48% of 200

32. Last year, Maria's retirement fund lost 19%. If the fund was worth \$18,000 at the beginning of the year, how much money did she lose?
33. Every year, about 300 movies are made. Only 13% are considered to be hits. About how many movies are considered hits in a year?

LESSON 6-4

Find the percent of each number. Check whether your answer is reasonable.

34. 35% of 80 35. 55% of 256 36. 75% of 60 37. 2% of 68
 38. 17% of 51 39. 0.5% of 80 40. 1% of 8.5 41. 1.25% of 48
 42. Ryan bought a new CD holder for his car. He can fit only 60 of his CDs in the holder. This represents 60% of his collection. How many CDs does Ryan have?

LESSON 6-5

Solve.

43. What percent of 150 is 60? 44. What percent of 140 is 28?
 45. What percent of 120 is 24? 46. What percent of 88 is 102?
 47. 24 is 60% of what number? 48. 9 is 15% of what number?
 49. Thomas bought a desk with a retail sales price of \$129 and paid \$10.32 sales tax. What is the sales tax rate where Thomas bought the desk?
 50. The sales tax on a \$68 hotel room is \$7.48. What is the sales tax rate?

LESSON 6-6

Find each percent of change. Round answers to the nearest tenth of a percent, if necessary.

51. 54 is increased to 68. 52. 90 is decreased to 82. 53. 60 is increased to 80.
 54. 76 is decreased to 55. 55. 75 is increased to 120. 56. 50 is decreased to 33.
 57. Abby's Appliances sells DVD players at 7% above the wholesale cost of \$89. How much does the store charge for a DVD player?
 58. A market's old parking lot held 48 cars. The new lot holds 37.5% more cars. How many parking spaces are on the new lot?
 59. A regular bag of potato chips contains 12 ounces. A jumbo bag of chips contains $166\frac{2}{3}\%$ more chips. How many ounces does the jumbo bag contain?

LESSON 6-7

Find each missing value.

60. $I = \square$, $P = \$500$, $r = 5\%$, $t = 1$ year 61. $I = \$30$, $P = \square$, $r = 6\%$, $t = 2$ years
 62. $I = \$168$, $P = \$800$, $r = \square$, $t = 3$ years 63. $I = \$48$, $P = \$300$, $r = 8\%$, $t = \square$
 64. Shane deposits \$600 in an account that earns 5.5% simple interest. How long will it be before the total amount is \$699?