CHAPTER TEST

CHAPTER 6

Write each percent as a fraction in simplest form and as a decimal.

1. 95% $\frac{19}{20}$, 0.95
2. 37.5% $\frac{3}{8}$, 0.375
3. 4% $\frac{1}{25}$, 0.04
4. 0.01% $\frac{1}{10{,}000}$, 0.0001

Write as a percent. Round to the nearest tenth of a percent, if necessary.

5. 0.75 75%
6. 0.06 6%
7. 0.8 80%
8. 0.0039 0.39%
9. $\frac{3}{10}$ 30%
10. $\frac{9}{20}$ 45%
11. $\frac{5}{16}$ 31.3%
12. $\frac{7}{21}$ 33.3%

Estimate. Possible answers:

13. 48% of 8 4
14. 3% of 119 3.6
15. 26% of 32 8
16. 76% of 280 210
17. The Pattersons spent $47.89 for a meal at a restaurant. About how much should they leave for a 15% tip? about $7.20

Find the percent of each number.

18. 90% of 200 180
19. 35% of 210 73.5
20. 16% of 85 13.6
21. 250% of 30 75
22. 38% of 11 4.18
23. 5% of 145 7.25

Solve.

24. 36 is what percent of 150? 24%
25. What percent of 145 is 29? 20%
26. 51 is what percent of 340? 15%
27. 36 is 40% of what number? 90
28. 70 is 14% of what number? 500
29. 25 is 20% of what number? 125
30. Hampton Middle School is expecting 376 seventh-graders next year. This is 40% of the expected school enrollment. How many students are expected to enroll in the school next year? 940 students

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

31. 30 is increased to 45. 50%
32. 115 is decreased to 46. 60%
33. 116 is increased to 145. 25%
34. 129 is decreased to 32. 75.2%
35. A community theater sold 8,500 tickets to performances during its first year. By its tenth year, ticket sales had increased by 34%. How many tickets did the theater sell during its tenth year? 11,390 tickets

Find each missing value.

36. $I =$ ▒, $P = \$500$, $r = 5\%$, $t = 1$ year — $I = \$25$
37. $I = \$702$, $P = \$1{,}200$, $r = 3.9\%$, $t =$ ▒ — $t = 15$ yr
38. $I = \$468$, $P = \$900$, $r =$ ▒, $t = 8$ years — $r = 6.5\%$
39. $I = \$37.50$, $P =$ ▒, $r = 10\%$, $t = 6$ months — $P = \$750$
40. Kate invested $3,500 at a 5% simple interest rate. How many years will it take for the original amount to double? 20 yr

Chapter Test

CHAPTER T

Organizer

Objective: Asses mastery of concept Chapter 6.

PREMIER Online E

Resources

Assessment Re

Chapter 6 Tes
- Free Respon (Levels A, E
- Multiple Cho (Levels A, E
- Performance

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