

**7-5 Skills Practice*****Using Percent Equations*****Solve each problem using a percent equation.**

1. What is 5% of 80?
2. What is 10% of 100?
3. What is 58% of 35?
4. What is 32% of 150?
5. What is 91% of 3800?
6. Find 25% of 68.
7. Find 80% of 75.
8. Find 75% of 80.
9. Find 1.5% of 8400.
10. Find 33.5% of 22.
11. 23 is what percent of 115?
12. 27 is what percent of 75?
13. 80 is what percent of 160?
14. 85 is what percent of 500?
15. 48 is what percent of 30?
16. 321.3 is what percent of 918?
17. 0.6 is what percent of 2?
18. 126 is what percent of 140?
19. 21 is what percent of 1050?
20. 78 is what percent of 40?
21. 29 is 50% of what number?
22. 9 is 45% of what number?
23. 16 is 4% of what number?
24. 336 is 48% of what number?
25. 52 is 25% of what number?
26. 99 is 90% of what number?
27. 343 is 70% of what number?
28. 57 is 1% of what number?
29. 193.6 is 32% of what number?
30. 87.1 is 67% of what number?

**7-6 Practice*****Percent of Change***

Find the percent of change. Round to the nearest tenth, if necessary. Then state whether the percent of change is an *increase* or *decrease*.

1. from 4 m to 5 m
2. from 75 minutes to 100 minutes
3. from \$9.25 to \$6.50
4. from 45 quarts to 8 quarts
5. from 21 mm to 13 mm
6. from \$457 to \$1000
7. from \$39.50 to \$40.00
8. from 9 students to 856 students
9. from 24 kittens to 7 kittens
10. from 15 songs to 105 songs
11. from 31 mph to 25 mph
12. from 4 paintings to 13 paintings

Find the selling price for each item given the cost and the percent of markup.

13. MP3 player: \$150; 22% markup
14. sofa: \$600; 31.5% markup
15. television: \$669; 23% markup
16. dress: \$16.25; 35% markup
17. speakers: \$42; 27% markup
18. CD: \$8.99;  $34\frac{4}{5}\%$  markup
19. **VIDEOS** A video store is selling previously owned DVDs for 40% off the regular price of \$15. What is the sale price of the DVDs?
20. **COOKIES** On Tuesday, a baker sold 132 cookies. On Wednesday, she sold 108 cookies. Find the percent of change to the nearest tenth of a percent.