Name _____   Pre-Algebra

Chapter 7 Practice Test

Convert.

Decimal	Percent	Fraction over 100	Reduced fraction
0.15			
			$^3/_5$
	180%		

Write each percentage as a fraction in lowest terms.

   1. 18%

   2. 37%

   3. 250%

Write each fraction as a percent.

   4. $\frac{7}{20}$

   5. $\frac{3}{8}$

Write each percent as a decimal.

   6. 7%

   7. 23 ½ %

   8. 0.4%

Write each decimal number as a percent.

   9. 0.23

  10. 0.097

  11. 2.8

Write the equation. Solve.

Decimal Percent x Total = Part

  12. What is 60% of 150?

  13. What is 12% of 900?

  14. What percent of 65 is 26?

  15. What percent of 15 is 24?

16. 7 is what percent of 12? (Round percent to one decimal place.)

17. 24% of what number is 54?

18. 140% of what number is 35?

19. You bake 150 cookies for Christmas. 24% of these are gingerbread. How many gingerbread cookies did you bake?

20. Your cousin paid $10.32 tax on two Xbox controllers that cost $172 total. What percent of $172 was the tax?

21. 48 people in your youth group went to EVO to watch a movie. This is 15% of the people in your youth group. How many people are in the group?

Find the discount and the sale price. Round your answers to the nearest cent.
22. Regular price: $26.00   Discount =
      Discount: 20%   Sale price =

Find the commission.
23. Sales: $320
      Commission: 4%

Find the tip.
24. Total bill: $65.20
      Tip percentage: 15%

Find the interest earned. | **Interest = Principal x Rate x Time** |
25. $960 at 4% per year for 5 years

26. $2000 at 2.5% per year for 3 years