Chapter 6 Mastery Test B

Directions Rename each percent as a decimal.

1) 9% = _____

2) 32.6% = _____

3) 5.6% = _____

Directions Rename each percent as a fraction in simplest form.

4) 40% = _____

5) 77% = _____

6) $10\frac{1}{2}\%$ = _____

7) $4\frac{1}{3}\%$ = _____

Directions Rename each as a percent.

8) 0.6 = _____

9) 0.056 = _____

10) $\frac{3}{25}$ = _____

11) $\frac{2}{11}$ = _____

Directions Find the missing numbers.

12) _____ is 30% of 41.

13) 10 is 40% of _____ .

14) _____ % of 80 is 16.

15) 9% of 28 is _____ .

16) 0.5% of _____ is 0.7.

17) 6.44 is _____ % of 92.

Basic Math Skills

Chapter 6 Mastery Test B, continued

Directions Use a proportion to find the missing numbers.

18) 15 is _____ % of 300.

19) 16% of _____ is 13.6.

Directions Find the answers to these word problems.

20) The bill for the dinner comes to $29.75. How much is a 15% tip to the nearest cent? _____

21) Katie buys a dress for $24.65, a belt for $6.85, and a scarf for $3.70. How much sales tax is due if the tax rate is 6%? _____

22) A coat usually sells for $48.00. It is on sale for 15% off. What is the sale price? _____

23) Tia is paid a 5% rate of commission on all sales over $600. How much commission does she get on $2,000 worth of sales? _____

24) How much interest is paid on $1,200 invested at 8% per year for 3 years? _____

25) Bob is going to buy a TV for $450. He makes a down payment of $50 and pays off the rest in 8 equal monthly payments. How much is each payment? _____

Chapter 6 Mastery Test A

Directions Rename each percent as a decimal.

1) 5% = _____

2) 32.5% = _____

3) 2.4% = _____

Directions Rename each percent as a fraction in simplest form.

4) 30% = _____

5) 68% = _____

6) $5\frac{1}{2}$% = _____

7) $1\frac{1}{3}$% = _____

Directions Rename each as a percent.

8) 0.9 = _____

9) 0.023 = _____

10) $\frac{3}{20}$ = _____

11) $\frac{5}{6}$ = _____

Directions Find the missing numbers.

12) _____ is 35% of 60.

13) 56 is 70% of _____ .

14) _____ % of 60 is 15.

15) 7% of 120 is _____ .

16) 0.4% of _____ is 0.072.

17) 3.75 is _____ % of 25.

Basic Math Skills

Chapter 6 Mastery Test A, continued

Directions Use a proportion to find the missing numbers.

18) 10 is _____ % of 200.

19) 18% of _____ is 9.

Directions Find the answers to these word problems.

20) The bill for the dinner comes to $39.50. How much is a 15% tip to the nearest cent?   _____

21) Anna buys a dress for $32.00, a belt for $7.95, and a scarf for $3.45. How much sales tax is due if the tax rate is 5%?   _____

22) A coat usually sells for $62.95. It is on sale for 10% off. What is the sale price?   _____

23) Chris is paid a 4% rate of commission on all sales over $600. How much commission does she get on $5,200 worth of sales?   _____

24) How much interest is paid on $1,500 invested at 7% per year for 3 years?   _____

25) Jay is going to buy a TV for $650. He makes a down payment of $50 and pays off the rest in 12 equal monthly payments. How much is each payment?   _____