

11. 0.056

11. Write the percent as a decimal

5.6% move 2 left  
0.056

12. 0.07

12. Write the percent as a decimal

0.7% move 2 left  
0.07

13. 45.6%

13. Write the decimal as a percent

move 2 Right  
.456  
45.6%

14. Write the decimal as a percent

move 2 Right  
.25  
25%

15. 63

15. Find the percent of a number  
35% of 180

↓ ↓ ↓  
.35  $\frac{7}{20}$  means multiply

$\frac{7}{20} \cdot \frac{180}{1} = \frac{7}{20} \cdot \frac{900}{5} = 63$

16. Find the percent of a number  
25% of 250

↓ ↓  
.25  $\frac{1}{4}$   
 $\frac{250}{1} \times \frac{1}{4} = 62.5$

16. 62.5

17A) \$ 7

17. The regular price of a shirt is \$20. If the shirt is 35% off,

A) What is the discount amount?

$\$20 \times 35\% = \$7$   
 $\frac{20}{1} \cdot \frac{7}{20} = \$7$   
 $\frac{\$20}{1} \times \frac{35}{100} = \$7.00$

B) \$ 13

B) What is the selling price?

$\$20$   
 $-\$7$  ← Discount Subtract!  
 $\$13$

18. The original price of a CD is \$12. If it is marked-up 60%,

A) What is the mark-up amount?

$\$12 \times .6 = \$7.20$  or  $\frac{12}{1} \cdot \frac{6}{10} = \$7.20$

B) What is the selling price?

$\$12$   
 $+\$7.20$  ← Markup Add!  
 $\$19.20$

18 A) \$ 7.20

B) \$ 19.20

19. 30%

19. The price of a book increased from \$20 to \$26. What is the percent increase?

$\$20 \rightarrow \$26$  \$6 CHANGE MARKUP

$\frac{6 \cdot 5}{20 \cdot 5} = \frac{30}{100} = 30\%$

20. \$4000

20. How much simple interest will Shane make if he puts \$16,000 in a bank account that makes 5% interest rate for 5 years?

$I = Prt$   
 $I = \frac{16000}{1} \cdot \frac{5}{100} \cdot \frac{5}{1} = \$4000$

Honors / E.C.

0.493

Honors / Extra Credit:

Write the answer as a decimal

$\frac{3}{8} + .25 - 13.2\%$   
 $0.375 + 0.25 - .132$

$\frac{0.375}{1} + \frac{0.250}{1} - \frac{0.132}{1}$   
 $0.625 - 0.132 = 0.493$