

2-9**Practice**

Form K

Percents

Find each percent.

1. What percent of 58 is 18? **about 31%**
2. What percent of 36 is 27? **75%**
3. What percent of 65 is 115? **about 177%**
4. What percent of 45 is 42? **93.33%**

Find each part.

5. What is 40% of 120? **48**
6. What is 62% of 500? **310**
7. What is 150% of 84? **126**
8. What is 33% of 171? **56.43**
9. A pair of pants that regularly costs \$55 are on sale for 35% off the regular price. What is the sale price of the pants? **\$35.75**
10. A friend purchases items from a wholesale website and resells them on her own website. She typically marks up her merchandise 40%. If she purchased an item for \$15, what price should she set for the item? **\$21**

Find each base.

11. 70% of what number is 63? **90**
12. 55% of what number is 231? **420**
13. 165% of what number is 132? **80**
14. 8% of what number is 1.2? **15**

2-9**Practice** (continued)

Form K

Percents

15. \$13,000 is deposited into a savings account that earns simple interest at a rate of 6.5% per year. How much interest will the money have earned after 3 years?
\$2535
16. Erma has \$175,000 in a retirement account that earns simple interest at a rate of 9% per year. How much interest will the money have earned after 25 years?
\$393,750
17. A family deposited \$8000 into an account six years ago. The account earned simple interest at a yearly rate. So far the total interest earned is \$1200. What is the rate for the account? **2.5%**

Tell whether you are finding a *percent*, a *part*, or a *base*. Then solve.

18. 112 is 20% of what number?
base; 560
19. What is 126% of 50?
part; 63
20. What percent of 88 is 36.96?
percent; 42%
21. What percent of 22 is 33?
percent; 150%
22. What is 268% of 150?
part; 402
23. What is 50% of 1175?
part; 587.5