

Reteaching 6-5 Fractions, Decimals, and Percents

Write $\frac{7}{8}$ as a percent and 64% as a fraction in lowest terms.

Divide $7 \div 8$.

$$\begin{array}{r} 0.875 \\ 8 \overline{)7.000} \\ \underline{64} \\ 60 \\ \underline{56} \\ 40 \\ \underline{40} \\ 0 \end{array}$$

$$\frac{7}{8} = 0.875$$

$$0.875 = 87.5\%$$

$$\text{Thus } \frac{7}{8} = 87.5\%.$$

64% means 64 parts per 100.

$$64\% = \frac{64}{100}$$

$$= \frac{2^4}{2^2 \cdot 5^2}$$

$$= \frac{16}{25}$$

$$\text{Thus } 64\% = \frac{16}{25}.$$

Reteaching

Write each fraction as a percent.

1. $\frac{7}{10}$ _____

2. $\frac{3}{5}$ _____

3. $\frac{11}{20}$ _____

4. $\frac{17}{25}$ _____

5. $\frac{1}{5}$ _____

6. $\frac{39}{100}$ _____

7. $\frac{1}{20}$ _____

8. $\frac{13}{50}$ _____

9. $\frac{5}{8}$ _____

10. $\frac{3}{16}$ _____

Write each percent as a fraction in simplest terms.

11. 15% _____

12. 12.5% _____

13. 76% _____

14. 14% _____

15. 60% _____

16. 97% _____

17. 25% _____

18. 30% _____

19. 82% _____

20. 68.75% _____