

Chapter 9 Percents

9.2 Percents and Proportions

Pages 454-459

NOTES (9.2) Percents and Proportions

*Memorize uncommon percents found on p. 455

Guided Practice pp. 457-459

Do # 6- 16 like this

$$9) \frac{16}{x} = \frac{80}{100} = \textcircled{20}$$

$$80x = 16 \cdot 100$$

$$\frac{80x}{8} = \frac{1600}{8}$$

$$x = 160 \div 8$$

$$x = 20$$

$$13) \frac{x}{44} = \frac{75}{100} = \textcircled{33}$$

$$100x = 75 \cdot 44$$

$$100x = 3300$$

$$x = 33$$

$$\begin{array}{r} 75 \\ \underline{44} \\ 300 \\ \underline{3000} \\ 3300 \end{array}$$

NOTES (9.2) Percents and Proportions

$$9) \frac{x}{100} = \frac{6}{20} = 30\%$$

$$6 \cdot 5 = 30$$

$$17) 66\frac{2}{3}\% \text{ of } 81 = 54$$

$$\frac{2}{3} \cdot 81 = 2 \cdot 27 = 54$$

#30 = 5 pts

#46 = 2 pts

#38 = 1 pt

#48 = 2 pts

#42 = 1 pt

#52 = 2 pts

#44 = 1 pt

Do # 52 & 54 like this

$$55) \frac{13}{8} = 1.625; \text{ terminating}$$

$$\begin{array}{r} 1.625 \\ 8 \overline{) 13} \\ \underline{8} \\ 50 \\ \underline{48} \\ 20 \\ \underline{16} \\ 40 \\ \underline{40} \\ 0 \end{array}$$