Lesson 7.3 Practice: Proportions

School Launch · Pre-Algebra · Unit 7: Ratios, Rates and Proportions · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Solve the proportion $\frac{2}{3} = \frac{8}{x}$. EASY

2. Solve the proportion $\frac{8}{5} = \frac{48}{x}$. EASY

3. Solve the proportion $\frac{3}{2} = \frac{24}{x}$. EASY

4. Solve the proportion $\frac{x}{12} = \frac{5}{6}$. MEDIUM

5. Solve the proportion $\frac{x}{10} = \frac{6}{5}$. MEDIUM

6. Solve the proportion $\frac{x}{18} = \frac{2}{9}$. MEDIUM

7. Solve the proportion $\frac{x}{12} = \frac{7}{6}$. MEDIUM

8. Solve the proportion $\frac{x+11}{7} = \frac{33}{14}$. HARD

9. Solve the proportion $\frac{x+9}{6} = \frac{27}{12}$. HARD

10. Solve the proportion $\frac{x+10}{8} = \frac{30}{16}$. HARD