Solving Proportions Worksheet

Name: _____

Date: _____ Section: _____

Each problem must to be set up this way:

1. Write the proportion. $\frac{8}{3} = \frac{192}{n}$
2. Write the cross products $8 * n = 192 * 3$
3. Multiply $8n = 576$
4. Undo multiplication by using division $\div 8 \quad \div 8$
5. Divide $n = 72$

Solve each proportion. Be sure to set it up the correct way and show all work.

1. $\frac{4}{9} = \frac{10}{x}$

2. $\frac{5}{2} = \frac{6}{x}$

3. $\frac{5}{2} = \frac{2}{x}$

4. $\frac{21}{27} = \frac{x}{18}$

5. $\frac{15}{21} = \frac{20}{y}$

6. $\frac{26}{b} = \frac{39}{9}$

7. $\frac{h}{108} = \frac{7}{18}$

8. $\frac{45}{792} = \frac{70}{w}$

9. $\frac{16}{120} = \frac{j}{15}$

10. $\frac{350}{p} = \frac{1050}{60}$

11. $\frac{g}{1134} = \frac{27}{729}$

12. $\frac{40}{65} = \frac{z}{104}$

1. 22.5 **2.** 2.4 **3.** 0.8 **4.** 14 **5.** 28 **6.** 6 **7.** 42 **8.** 1232 **9.** 2 **10.** 20 **11.** 42 **12.** 64