

Solving Simple Proportions

Date _____ Period _____

Solve each proportion using the scale factor. Show your work!

1) $\frac{9}{n} = \frac{2}{8}$

{36}

2) $\frac{3}{4} = \frac{6}{b}$

{8}

3) $\frac{9}{8} = \frac{m}{2}$

 $\{\frac{9}{4} \text{ or } 2\frac{1}{4} \text{ or } 2.25\}$

4) $\frac{10}{a} = \frac{2}{6}$

{30}

5) $\frac{6}{p} = \frac{9}{3}$

{2}

6) $\frac{9}{4} = \frac{x}{8}$

{18}

7) $\frac{2}{4} = \frac{3}{b}$

{6}

8) $\frac{7}{3} = \frac{n}{10}$

 $\{\frac{70}{3} \text{ or } 23\frac{1}{3}\}$

9) $\frac{10}{x} = \frac{8}{4}$

{5}

10) $\frac{8}{v} = \frac{5}{2}$

 $\{\frac{16}{5} \text{ or } 3\frac{1}{5} \text{ or } 3.2\}$

11) $\frac{n}{4} = \frac{9}{5}$

 $\{\frac{36}{5} \text{ or } 7\frac{1}{5} \text{ or } 7.2\}$

12) $\frac{4}{3} = \frac{n}{9}$

{12}