

Solving Proportions

Solve each proportion.

1) $\frac{10}{8} = \frac{n}{10}$

2) $\frac{7}{5} = \frac{x}{3}$

3) $\frac{9}{6} = \frac{x}{10}$

4) $\frac{7}{n} = \frac{8}{7}$

5) $\frac{4}{3} = \frac{8}{x}$

6) $\frac{7}{b+5} = \frac{10}{5}$

7) $\frac{6}{b-1} = \frac{9}{7}$

8) $\frac{4}{m-8} = \frac{8}{2}$

9) $\frac{5}{6} = \frac{7n+9}{9}$

10) $\frac{4}{9} = \frac{r-3}{6}$

$$11) \frac{7}{9} = \frac{b}{b-10}$$

$$12) \frac{9}{k-7} = \frac{6}{k}$$

$$13) \frac{4}{n+2} = \frac{7}{n}$$

$$14) \frac{n}{n-3} = \frac{2}{3}$$

$$15) \frac{x-3}{x} = \frac{9}{10}$$

$$16) \frac{5}{r-9} = \frac{8}{r+5}$$

$$17) \frac{p+10}{p-7} = \frac{8}{9}$$

$$18) \frac{2}{8} = \frac{n+4}{n-4}$$

$$19) \frac{n-5}{n+8} = \frac{2}{7}$$

$$20) \frac{n-6}{n-7} = \frac{9}{2}$$

Solving Proportions

Date _____ Period _____

Solve each proportion.

1) $\frac{10}{8} = \frac{n}{10}$

 $\{12.5\}$

2) $\frac{7}{5} = \frac{x}{3}$

 $\{4.2\}$

3) $\frac{9}{6} = \frac{x}{10}$

 $\{15\}$

4) $\frac{7}{n} = \frac{8}{7}$

 $\{6.13\}$

5) $\frac{4}{3} = \frac{8}{x}$

 $\{6\}$

6) $\frac{7}{b+5} = \frac{10}{5}$

 $\{-1.5\}$

7) $\frac{6}{b-1} = \frac{9}{7}$

 $\{5.67\}$

8) $\frac{4}{m-8} = \frac{8}{2}$

 $\{9\}$

9) $\frac{5}{6} = \frac{7n+9}{9}$

 $\{-0.21\}$

10) $\frac{4}{9} = \frac{r-3}{6}$

 $\{5.67\}$

$$11) \frac{7}{9} = \frac{b}{b-10}$$

$\{-35\}$

$$12) \frac{9}{k-7} = \frac{6}{k}$$

$\{-14\}$

$$13) \frac{4}{n+2} = \frac{7}{n}$$

$\{-4.67\}$

$$14) \frac{n}{n-3} = \frac{2}{3}$$

$\{-6\}$

$$15) \frac{x-3}{x} = \frac{9}{10}$$

$\{30\}$

$$16) \frac{5}{r-9} = \frac{8}{r+5}$$

$\{32.33\}$

$$17) \frac{p+10}{p-7} = \frac{8}{9}$$

$\{-146\}$

$$18) \frac{2}{8} = \frac{n+4}{n-4}$$

$\{-6.67\}$

$$19) \frac{n-5}{n+8} = \frac{2}{7}$$

$\{10.2\}$

$$20) \frac{n-6}{n-7} = \frac{9}{2}$$

$\{7.29\}$