

Solving Proportions

Date_____ Period____

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

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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}

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

{6.12}

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

{6}

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

{-1.5}

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

{5.66}

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

{9}

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

{-0.21}

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

{5.66}

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

{-35}

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

{-14}

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

{-4.66}

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

{-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}

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

{-6.66}

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

{10.19}

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

{7.28}