

Summer Assignment Review- Solving Proportions

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Solve each proportion. Leave your answer as an integer or as a reduced, improper fraction.

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

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

3) $\frac{p}{10} = \frac{3}{6}$

4) $\frac{9a}{4} = \frac{7}{8}$

5) $\frac{4}{5} = \frac{k}{7}$

6) $-\frac{3}{4} = \frac{n+3}{7}$

7) $\frac{2}{8} = \frac{r-5}{10}$

8) $-\frac{6}{b-3} = \frac{4}{7}$

9) $\frac{7}{3} = \frac{x-9}{7}$

10) $-\frac{6}{2} = \frac{m-2}{7}$

11) $\frac{4}{5} = \frac{a+8}{a}$

12) $\frac{n+1}{n} = \frac{10}{2}$

13) $\frac{x+8}{x} = \frac{3}{6}$

14) $\frac{v}{10} = \frac{v+1}{9}$

15) $\frac{9}{8} = -\frac{v}{v+2}$

16) $\frac{10}{9} = \frac{x-8}{x-2}$

17) $\frac{p+5}{p+6} = \frac{10}{6}$

18) $\frac{x+7}{5} = \frac{x+1}{6}$

19) $\frac{3}{10} = \frac{k-9}{k+4}$

20) $\frac{5}{4} = \frac{n+6}{n+7}$

Answers to Summer Assignment Review- Solving Proportions

1) $\left\{\frac{30}{7}\right\}$

2) $\left\{\frac{32}{3}\right\}$

3) $\{5\}$

4) $\left\{\frac{7}{18}\right\}$

5) $\left\{\frac{28}{5}\right\}$

6) $\{-8.25\}$

7) $\{7.5\}$

8) $\{-7.5\}$

9) $\{25.33\}$

10) $\{-19\}$

11) $\{-40\}$

12) $\{0.25\}$

13) $\{-16\}$

14) $\{-10\}$

15) $\{-1.05\}$

16) $\{-52\}$

17) $\{-7.5\}$

18) $\{-37\}$

19) $\{14.57\}$

20) $\{-11\}$