

Solve each proportion.

1) $\frac{n+4}{8} = \frac{3n+8}{10}$

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

3) $\frac{m+1}{4} = \frac{11m+11}{8}$

4) $-\frac{2}{6} = \frac{m-11}{5m+3}$

5) $\frac{11a-9}{5} = \frac{a-12}{6}$

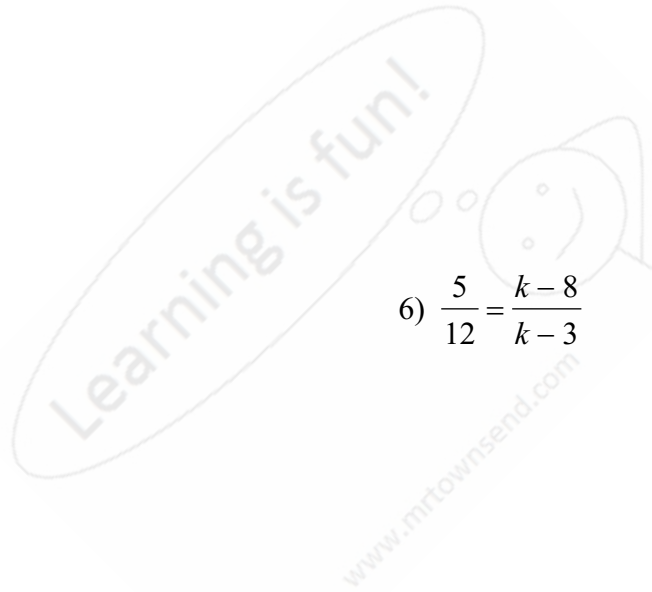
6) $\frac{5}{12} = \frac{k-8}{k-3}$

7) $\frac{10}{m-8} = \frac{12}{5m-7}$

8) $\frac{a+10}{10} = \frac{a+2}{2}$

9) $\frac{12}{10} = \frac{x-3}{7x-5}$

10) $\frac{5}{9} = \frac{7k+2}{k-11}$



$$11) -\frac{6}{r+1} = \frac{8}{r+7}$$

$$12) \frac{6}{v+11} = \frac{5}{2v+3}$$

$$13) \frac{5x-4}{5x-10} = -\frac{11}{8}$$

$$14) \frac{2}{12} = \frac{5n-1}{5n-7}$$

$$15) \frac{2x+5}{5x-9} = \frac{10}{3}$$

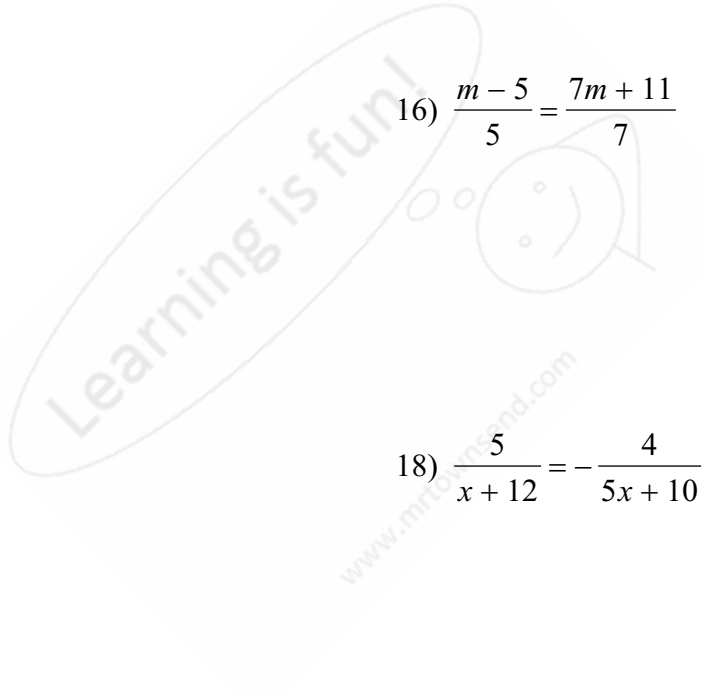
$$16) \frac{m-5}{5} = \frac{7m+11}{7}$$

$$17) \frac{12}{6} = \frac{3x+4}{x-3}$$

$$18) \frac{5}{x+12} = -\frac{4}{5x+10}$$

$$19) -\frac{11}{9} = \frac{v-5}{v-3}$$

$$20) \frac{5k-11}{12} = \frac{k+4}{5}$$



Answers to

1) $\left\{-\frac{12}{7}\right\}$

5) $\left\{-\frac{6}{61}\right\}$

9) $\left\{\frac{15}{37}\right\}$

13) $\left\{\frac{142}{95}\right\}$

17) $\{-10\}$

2) $\left\{-\frac{38}{5}\right\}$

6) $\left\{\frac{81}{7}\right\}$

10) $\left\{-\frac{73}{58}\right\}$

14) $\left\{-\frac{1}{25}\right\}$

18) $\left\{-\frac{98}{29}\right\}$

3) $\{-1\}$

7) $\left\{-\frac{13}{19}\right\}$

11) $\left\{-\frac{25}{7}\right\}$

15) $\left\{\frac{105}{44}\right\}$

19) $\left\{\frac{39}{10}\right\}$

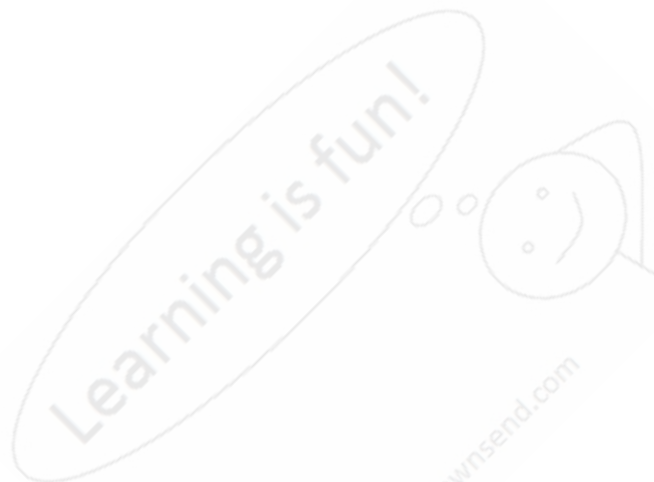
4) $\left\{\frac{15}{4}\right\}$

8) $\{0\}$

12) $\left\{\frac{37}{7}\right\}$

16) $\left\{-\frac{45}{14}\right\}$

20) $\left\{\frac{103}{13}\right\}$



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