

Solve each proportion.

1) $-\frac{x}{10} = \frac{5}{3}$

2) $\frac{10}{6} = \frac{9}{a}$

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

4) $\frac{b}{10} = \frac{7}{9}$

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

6) $\frac{n-3}{5} = \frac{3}{2}$

7) $\frac{4}{2} = -\frac{6}{x-1}$

8) $\frac{6}{3} = \frac{x+5}{6}$

9) $\frac{5}{3} = \frac{x+5}{5}$

10) $\frac{4}{n+1} = \frac{2}{3}$

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

$$12) \frac{5}{m} = \frac{4}{5m-3}$$

$$13) \frac{5}{x+2} = \frac{4}{x}$$

$$14) \frac{b-6}{2} = \frac{b}{3}$$

$$15) \frac{m}{3} = \frac{5m-1}{4}$$

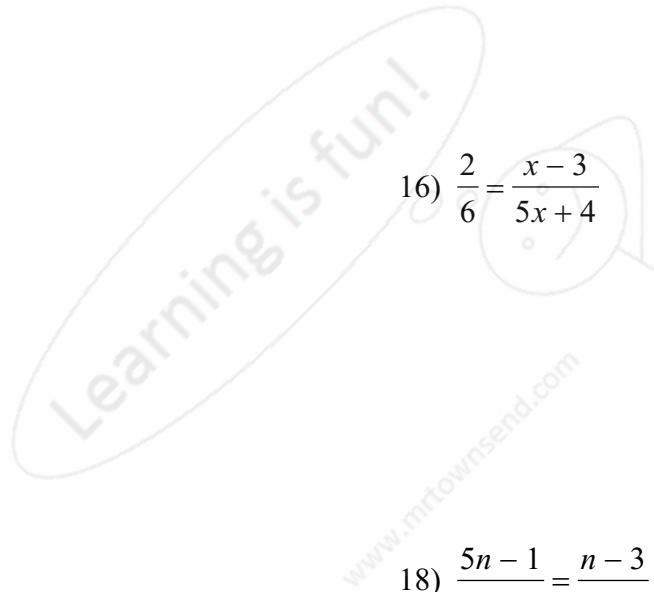
$$16) \frac{2}{6} = \frac{x-3}{5x+4}$$

$$17) \frac{b-1}{3} = \frac{b-6}{4}$$

$$18) \frac{5n-1}{2} = \frac{n-3}{6}$$

$$19) \frac{5}{5x+5} = -\frac{4}{3x+4}$$

$$20) \frac{v-6}{v-2} = \frac{2}{6}$$



Answers to

1) $\left\{-\frac{50}{3}\right\}$

5) $\{10\}$

9) $\left\{\frac{10}{3}\right\}$

13) $\{8\}$

17) $\{-14\}$

2) $\left\{\frac{27}{5}\right\}$

6) $\left\{\frac{21}{2}\right\}$

10) $\{5\}$

14) $\{18\}$

18) $\{0\}$

3) $\left\{-\frac{63}{5}\right\}$

7) $\{-2\}$

11) $\{-9\}$

15) $\left\{\frac{3}{11}\right\}$

19) $\left\{-\frac{8}{7}\right\}$

4) $\left\{\frac{70}{9}\right\}$

8) $\{7\}$

12) $\left\{\frac{5}{7}\right\}$

16) $\left\{-\frac{13}{2}\right\}$

20) $\{8\}$

