

Name: _____

Date: _____ Score: _____

Multi-Step Equation: Fraction Worksheet

Solve each equation

1 $\frac{1}{2}l + \frac{2}{3}l = \frac{1}{3}$

2 $\frac{12}{5}r - 2r = \frac{3}{10}$

3 $17x - 2(8x - 3) = 2$

4 $-\frac{1}{2}n - n = -\frac{5}{6}$

5 $5 = \frac{6k - 2}{k + 1}$

6 $\frac{x}{6} + 2 = -1$

7 $\frac{7}{4}(q - 1) = \frac{7}{8}$

8 $r + \frac{1}{3} - \frac{8}{5} = \frac{22}{5}$

9 $\frac{10}{3}n - \frac{5}{2}n = \frac{5}{3}$

10 $-\frac{5}{3}\left(\frac{4}{3}v + \frac{8}{5}\right) = -3\frac{1}{4}v - \frac{53}{6}$

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Answers

$$\boxed{1} \quad \frac{1}{2}l + \frac{2}{3}l = \frac{1}{3}$$

$$\boxed{2} \quad \frac{12}{5}r - 2r = \frac{3}{10}$$

$$\frac{6}{21}$$

$$\frac{3}{4}$$

$$\boxed{3} \quad 17x - 2(8x - 3) = 2$$

$$\boxed{4} \quad -\frac{1}{2}n - n = -\frac{5}{6}$$

$$\frac{-4}{}$$

$$\frac{5}{9}$$

$$\boxed{5} \quad 5 = \frac{6k - 2}{k + 1}$$

$$\boxed{6} \quad \frac{x}{6} + 2 = -1$$

$$\frac{7}{}$$

$$\frac{-18}{}$$

$$\boxed{7} \quad \frac{7}{4}(q - 1) = \frac{7}{8}$$

$$\boxed{8} \quad r + \frac{1}{3} - \frac{8}{5} = \frac{22}{5}$$

$$\frac{3}{2}$$

$$\frac{17}{3}$$

$$\boxed{9} \quad \frac{10}{3}n - \frac{5}{2}n = \frac{5}{3}$$

$$\boxed{10} \quad -\frac{5}{3}\left(\frac{4}{3}v + \frac{8}{5}\right) = -3\frac{1}{4}v - \frac{53}{6}$$

$$\frac{2}{}$$

$$\frac{-6}{}$$