

## Solving Multi-step equations with fractions

**Solve each equation.**

$$1) -\frac{94}{15} = x - \frac{11}{6} + \frac{1}{6}x$$

$$2) p + \frac{5}{3} + \frac{4}{3}p = -\frac{73}{15}$$

$$3) -n + 5n = 4$$

$$4) k + \frac{13}{6} + 2 = -\frac{11}{6}$$

$$5) \frac{17}{75} = \frac{19}{5}b - \frac{10}{3} - 1$$

$$6) \frac{19}{6} = k + \frac{19}{6} + 1$$

$$7) -\frac{3}{2}n + \frac{5}{3}n = -\frac{19}{30}$$

$$8) \frac{7}{3}m + \frac{9}{5} - \frac{1}{2}m = \frac{217}{90}$$

$$9) -\frac{23}{9} = -\frac{4}{3}n - \frac{5}{2}n$$

$$10) \frac{4}{3}b - \frac{5}{2} - 3\frac{3}{5} = -\frac{31}{30}$$

## Answers to Solving Multi-step equations with fractions (ID: 1)

1)  $\left\{-\frac{19}{5}\right\}$

2)  $\left\{-\frac{14}{5}\right\}$

3)  $\{1\}$

4)  $\{-6\}$

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

6)  $\{-1\}$

7)  $\left\{-\frac{19}{5}\right\}$

8)  $\left\{\frac{1}{3}\right\}$

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

10)  $\left\{\frac{19}{5}\right\}$