

Name:

Grade:

Date:

Solve each equation.

1) $-2b = 1$

2) $\frac{144}{221} = \frac{4a}{17}$

3) $-\frac{11}{12} = m + \left(-\frac{1}{6}\right)$

4) $0 = a + \frac{7}{6}$

5) $\frac{3}{2}n = \frac{141}{22}$

6) $12\frac{11}{12} = 7\frac{11}{12} + r$

7) $-3\frac{1}{2}v = -1\frac{1}{6}$

8) $2\frac{69}{176} = \frac{5}{11} - p$

9) $n + \left(-\frac{4}{7}\right) = 5\frac{29}{35}$

10) $-\frac{1}{6} = -\frac{1}{9}x$

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$$\left\{ -\frac{1}{2} \right\}$$

2) $\frac{144}{221} = \frac{4a}{17}$

$$\left\{ 2\frac{10}{13} \right\}$$

3) $-\frac{11}{12} = m + \left(-\frac{1}{6}\right)$

$$\left\{ -\frac{3}{4} \right\}$$

4) $0 = a + \frac{7}{6}$

$$\left\{ -1\frac{1}{6} \right\}$$

5) $\frac{3}{2}n = \frac{141}{22}$

$$\left\{ 4\frac{3}{11} \right\}$$

6) $12\frac{11}{12} = 7\frac{11}{12} + r$

$$\{5\}$$

7) $-3\frac{1}{2}v = -1\frac{1}{6}$

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

8) $2\frac{69}{176} = \frac{5}{11} - p$

$$\left\{ -1\frac{15}{16} \right\}$$

9) $n + \left(-\frac{4}{7}\right) = 5\frac{29}{35}$

$$\left\{ 6\frac{2}{5} \right\}$$

10) $-\frac{1}{6} = -\frac{1}{9}x$

$$\left\{ 1\frac{1}{2} \right\}$$

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Solve each equation.

1) $\frac{12}{7} = -1\frac{2}{7}b$

2) $-1 - n = -\frac{11}{4}$

3) $79\frac{1}{5} = 12x$

4) $-7\frac{1}{36} = x - 10\frac{7}{12}$

5) $m - \left(-\frac{5}{3}\right) = -\frac{2}{9}$

6) $v + 10\frac{1}{3} = \frac{53}{6}$

7) $\frac{7x}{59} = \frac{595}{531}$

8) $4\frac{7}{20} - m = \frac{1693}{380}$

9) $-1 = -\frac{7}{4}m$

10) $5 = n - \frac{31}{18}$

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1) $\frac{12}{7} = -1\frac{2}{7}b$

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

2) $-1 - n = -\frac{11}{4}$

$\left\{1\frac{3}{4}\right\}$

3) $79\frac{1}{5} = 12x$

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4) $-7\frac{1}{36} = x - 10\frac{7}{12}$

$\left\{3\frac{5}{9}\right\}$

5) $m - \left(-\frac{5}{3}\right) = -\frac{2}{9}$

$\left\{-1\frac{8}{9}\right\}$

6) $v + 10\frac{1}{3} = \frac{53}{6}$

$\left\{-1\frac{1}{2}\right\}$

7) $\frac{7x}{59} = \frac{595}{531}$

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

8) $4\frac{7}{20} - m = \frac{1693}{380}$

$\left\{-\frac{2}{19}\right\}$

9) $-1 = -\frac{7}{4}m$

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10) $5 = n - \frac{31}{18}$

$\left\{6\frac{13}{18}\right\}$

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Solve each equation.

1) $-1\frac{1}{15} - r = -9\frac{11}{15}$

2) $\frac{5}{14} = \frac{1}{7} + x$

3) $-2\frac{15}{19} + a = -3\frac{116}{171}$

4) $8\frac{5}{11}k = 13\frac{1}{143}$

5) $10\frac{7}{15} - v = 2\frac{17}{30}$

6) $7\frac{1}{20}x = \frac{5217}{76}$

7) $2 + n = -\frac{17}{18}$

8) $10\frac{13}{20} = 9\frac{1}{2} + x$

9) $\frac{76}{99} = \frac{4m}{9}$

10) $-3\frac{9}{10}k = -6\frac{1}{2}$

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$$\left\{ 1\frac{8}{11} \right\}$$

10) $-3\frac{9}{10}k = -6\frac{1}{2}$

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Solve each equation.

1) $2 - k = \frac{29}{15}$

2) $-5n = -10\frac{1}{3}$

3) $3\frac{4}{13} = 6\frac{3}{13} - p$

4) $\frac{24}{17} - m = \frac{4}{51}$

5) $7\frac{2}{19} - x = 5\frac{159}{247}$

6) $3\frac{4}{9} = -2a$

7) $-2x = -19\frac{1}{3}$

8) $-\frac{13}{15} = x + \left(-\frac{2}{3}\right)$

9) $\frac{8r}{25} = -\frac{8}{275}$

10) $v - 2\frac{7}{18} = -11\frac{7}{18}$

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$$\{-9\}$$

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Solve each equation.

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

2) $\frac{2063}{238} = m + 11\frac{11}{14}$

3) $\frac{52}{27} = -\frac{13}{9}x$

4) $-\frac{1}{12} - b = 1\frac{53}{228}$

5) $n - \left(-\frac{2}{5}\right) = 6\frac{11}{15}$

6) $-\frac{5}{3} - m = -7\frac{10}{33}$

7) $-23\frac{3}{4} = v - 4\frac{7}{12}$

8) $\frac{4n}{7} = \frac{16}{21}$

9) $\frac{109}{22} = \frac{x}{2}$

10) $1\frac{48}{173} = \frac{17n}{173}$

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$$\{13\}$$