



Solve each equation.

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

$$2) 1\frac{1}{2}r - \frac{2}{3}r = -\frac{3}{2}$$

$$3) -\frac{115}{12} = -3\frac{1}{2}b - 2\frac{1}{4}b$$

$$4) -2\frac{1}{4}m + 1 + \frac{1}{2} = 9\frac{3}{8}$$

$$5) -6\frac{2}{21} = -1\frac{1}{2}v + 2 - 1\frac{2}{3}$$

$$6) -\frac{11}{30} = -1\frac{1}{2}x + \frac{11}{3} + 3\frac{1}{3}x$$

$$7) -2x + 1\frac{6}{7}x = \frac{5}{14}$$

$$8) -2n + 1\frac{2}{3} - 1 = -\frac{1}{3}$$

$$9) a + 6a = 15\frac{3}{4}$$

$$10) -16\frac{7}{8} = 4\frac{1}{4}x + 7x$$

$$11) n - \frac{2}{3} - 6n = -19\frac{5}{6}$$

$$12) 3\frac{7}{360} = 1\frac{2}{3}x + \frac{27}{8} + \frac{1}{5}$$

$$13) 2m + \frac{7}{8}m = 1\frac{13}{56}$$

$$14) -10\frac{1}{2} = 1\frac{1}{2}k - \frac{3}{2} - 6$$

$$15) -1\frac{2}{3}x - 3\frac{1}{2}x = 7\frac{5}{48}$$

$$16) -\frac{242}{21} = -\frac{9}{4}p + \frac{1}{3} - 8$$

$$17) -2\frac{1}{6}n + \frac{3}{5}n = -\frac{47}{105}$$

$$18) 1\frac{7}{8}b + \frac{4}{5} + 1\frac{1}{4}b = -\frac{109}{20}$$

$$19) \frac{1}{2}r + 7r = \frac{35}{2}$$

$$20) n + \frac{1}{8}n = 3\frac{15}{64}$$

$$21) 1\frac{39}{40} = 1\frac{3}{4}x + \frac{5}{2} + 1\frac{2}{5}x$$

$$22) \frac{5}{7} = a + \frac{5}{7} - \frac{1}{2}a$$

$$23) \frac{5}{8}x - \frac{7}{3}x = 1\frac{61}{144}$$

$$24) -\frac{6}{5} = \frac{1}{2}x + 1 - x$$

$$25) -\frac{1}{6}a + 4\frac{1}{8} + \frac{1}{3}a = 4\frac{25}{48}$$

$$26) -\frac{921}{160} = \frac{1}{4}k - \frac{8}{5} - 3\frac{1}{2}$$

$$27) -4\frac{17}{70} = \frac{4}{7}p - 3\frac{2}{5}p$$

$$28) \frac{57}{112} = \frac{9}{4}v + 2\frac{1}{4} - \frac{6}{7}v$$

$$29) -1\frac{2}{3}x - 1\frac{1}{7}x = -\frac{59}{49}$$

$$30) 4\frac{7}{36} = -2\frac{5}{6}n + 1 - n$$

1) $\{2\}$

5) $\left\{4\frac{2}{7}\right\}$

9) $\left\{2\frac{1}{4}\right\}$

13) $\left\{\frac{3}{7}\right\}$

17) $\left\{\frac{2}{7}\right\}$

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

25) $\left\{2\frac{3}{8}\right\}$

29) $\left\{\frac{3}{7}\right\}$

2) $\left\{-1\frac{4}{5}\right\}$

6) $\left\{-2\frac{1}{5}\right\}$

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

14) $\{-2\}$

18) $\{-2\}$

22) $\{0\}$

26) $\left\{-2\frac{5}{8}\right\}$

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

3) $\left\{1\frac{2}{3}\right\}$

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

11) $\left\{3\frac{5}{6}\right\}$

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

19) $\left\{2\frac{1}{3}\right\}$

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

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

4) $\left\{-3\frac{1}{2}\right\}$

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

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

16) $\left\{1\frac{5}{7}\right\}$

20) $\left\{2\frac{7}{8}\right\}$

24) $\left\{4\frac{2}{5}\right\}$

28) $\left\{-1\frac{1}{4}\right\}$