



Solve each equation.

$$1) -\frac{45}{68} = n - \frac{24}{17}$$

$$2) \frac{13087}{783} = 6\frac{25}{29} + v$$

$$3) -1\frac{13}{20} - x = 11\frac{67}{70}$$

$$4) \frac{5203}{270} = 10\frac{9}{10} + b$$

$$5) n - -\frac{2}{3} = \frac{47}{3}$$

$$6) 20\frac{17}{29} = 22 - a$$

$$7) \frac{6}{13} = \frac{10}{13} + x$$

$$8) \frac{37}{92} = v + \frac{15}{23}$$

$$9) -3\frac{23}{30} = -2\frac{1}{6} - x$$

$$10) \frac{13}{8} - k = 5\frac{3}{8}$$

$$11) \frac{1578}{175} = 9\frac{4}{25} - n$$

$$12) \frac{13}{8} + p = \frac{173}{136}$$

$$13) -16 - n = -\frac{379}{12}$$

$$14) r - 2 = \frac{37}{5}$$

$$15) 21\frac{19}{756} = x + 5\frac{9}{28}$$

$$16) -2\frac{41}{231} = m - 3\frac{3}{11}$$

$$17) \frac{8}{7} + n = \frac{1}{28}$$

$$18) -28 = -10 - x$$

$$19) 2\frac{167}{168} = x + \frac{34}{21}$$

$$20) b - \frac{1}{4} = 6\frac{23}{44}$$

$$21) n + -5 = -6\frac{3}{8}$$

$$22) 7\frac{65}{168} = 15\frac{23}{24} - v$$

$$23) \frac{19}{27} + a = -\frac{22}{27}$$

$$24) 12\frac{9}{10} - p = 13\frac{91}{290}$$

$$25) \frac{4205}{456} = k - 3\frac{14}{19}$$

$$26) 22\frac{15}{29} - x = \frac{1814}{87}$$

$$27) n + -\frac{1}{2} = -3\frac{1}{16}$$

$$28) -\frac{11}{7} = r - 12$$

$$29) 15\frac{16}{23} - x = 16\frac{20}{161}$$

$$30) \frac{5513}{364} = m + -\frac{6}{13}$$

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

5) $\{15\}$

9) $\left\{1\frac{3}{5}\right\}$

13) $\left\{15\frac{7}{12}\right\}$

17) $\left\{-1\frac{3}{28}\right\}$

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

25) $\left\{12\frac{23}{24}\right\}$

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

2) $\left\{9\frac{23}{27}\right\}$

6) $\left\{1\frac{12}{29}\right\}$

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

14) $\left\{9\frac{2}{5}\right\}$

18) $\{18\}$

22) $\left\{8\frac{4}{7}\right\}$

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

30) $\left\{15\frac{17}{28}\right\}$

3) $\left\{-13\frac{17}{28}\right\}$

7) $\left\{-\frac{4}{13}\right\}$

11) $\left\{\frac{1}{7}\right\}$

15) $\left\{15\frac{19}{27}\right\}$

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

23) $\left\{-1\frac{14}{27}\right\}$

27) $\left\{-2\frac{9}{16}\right\}$

4) $\left\{8\frac{10}{27}\right\}$

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

12) $\left\{-\frac{6}{17}\right\}$

16) $\left\{1\frac{2}{21}\right\}$

20) $\left\{6\frac{17}{22}\right\}$

24) $\left\{-\frac{12}{29}\right\}$

28) $\left\{10\frac{3}{7}\right\}$