



Solve each equation.

1) $12\frac{1}{14}m = 149\frac{17}{60}$

2) $-1\frac{351}{448} = -\frac{17}{16}n$

3) $\frac{5r}{52} = \frac{95}{702}$

4) $-\frac{40}{27} = \frac{8}{9}x$

5) $15\frac{1}{21} = \frac{12}{7}b$

6) $\frac{1003}{297} = \frac{34}{27}v$

7) $10m = -19\frac{2}{3}$

8) $\frac{19x}{63} = -\frac{95}{108}$

9) $12\frac{9}{22} = \frac{21}{22}v$

10) $-12\frac{34}{39} = -\frac{14}{13}x$

11) $4\frac{28}{33} = -\frac{30}{11}a$

12) $\frac{43}{279} = \frac{3x}{31}$

13) $\frac{7}{8}k = \frac{9}{8}$

14) $-\frac{1}{2}x = \frac{2}{11}$

$$15) -\frac{69}{190} = \frac{23n}{190}$$

$$16) -\frac{10}{9}p = 3\frac{23}{54}$$

$$17) \frac{2}{7}x = \frac{11}{35}$$

$$18) \frac{6}{35} = -\frac{18}{35}n$$

$$19) -5\frac{32}{35} = \frac{9m}{35}$$

$$20) 173\frac{29}{56} = 13\frac{5}{28}r$$

$$21) -\frac{5}{42} = \frac{1}{2}n$$

$$22) -\frac{1}{2} = -2b$$

$$23) \frac{24v}{413} = \frac{277}{413}$$

$$24) 114\frac{69}{140} = 9\frac{11}{14}x$$

$$25) -\frac{23}{26}a = \frac{437}{26}$$

$$26) -\frac{272}{45} = -\frac{2}{5}n$$

$$27) -70\frac{5}{6} = -\frac{17}{2}k$$

$$28) 1\frac{41}{999} = \frac{8p}{111}$$

$$29) -2\frac{1}{20}n = \frac{164}{85}$$

$$30) 131\frac{71}{87} = 12\frac{28}{29}x$$

1) $\left\{12\frac{11}{30}\right\}$

5) $\left\{8\frac{7}{9}\right\}$

9) $\{13\}$

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

17) $\left\{1\frac{1}{10}\right\}$

21) $\left\{-\frac{5}{21}\right\}$

25) $\{-19\}$

29) $\left\{-\frac{16}{17}\right\}$

2) $\left\{1\frac{19}{28}\right\}$

6) $\left\{2\frac{15}{22}\right\}$

10) $\left\{11\frac{20}{21}\right\}$

14) $\left\{-\frac{4}{11}\right\}$

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

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

26) $\left\{15\frac{1}{9}\right\}$

30) $\left\{10\frac{1}{6}\right\}$

3) $\left\{1\frac{11}{27}\right\}$

7) $\left\{-1\frac{29}{30}\right\}$

11) $\left\{-1\frac{7}{9}\right\}$

15) $\{-3\}$

19) $\{-23\}$

23) $\left\{11\frac{13}{24}\right\}$

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

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

8) $\left\{-2\frac{11}{12}\right\}$

12) $\left\{1\frac{16}{27}\right\}$

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

20) $\left\{13\frac{1}{6}\right\}$

24) $\left\{11\frac{7}{10}\right\}$

28) $\left\{14\frac{4}{9}\right\}$