

Assignment

Date _____ Period _____

Solve each equation.

1) $-13\frac{9}{14} = -\frac{9}{7}m$

2) $-1\frac{101}{120} = \frac{13}{20}n$

3) $\frac{340}{3619} = \frac{20x}{329}$

4) $\frac{3}{5}v = 5\frac{32}{35}$

5) $\frac{737}{234} = \frac{11}{13}b$

6) $\frac{28}{73} = \frac{10x}{73}$

7) $-6\frac{31}{60} = \frac{17}{5}b$

8) $\frac{x}{2} = \frac{1}{10}$

9) $-\frac{2}{13}x = 0$

10) $-2\frac{5}{9} = \frac{2}{3}x$

11) $-\frac{1}{18}b = \frac{22}{135}$

12) $-\frac{456}{143} = 3\frac{5}{11}r$

13) $-\frac{6}{7}n = -\frac{4}{21}$

14) $13\frac{1}{3}m = 30$

15) $2\frac{353}{539} = \frac{18k}{77}$

16) $\frac{171}{104} = 10\frac{11}{16}x$

17) $\frac{205}{114} = \frac{15p}{38}$

18) $-\frac{226}{99} = 10\frac{3}{11}m$

19) $-\frac{1}{8}x = -1\frac{19}{64}$

20) $5\frac{1}{3}n = 3\frac{23}{27}$

21) $\frac{10x}{41} = \frac{830}{533}$

22) $-\frac{15}{52} = \frac{3a}{13}$

$$23) -\frac{14}{13}v = 2$$

$$24) -\frac{13}{12}p = \frac{13}{132}$$

$$25) -\frac{21}{170} = \frac{1}{10}a$$

$$26) -64\frac{3}{4} = -5x$$

$$27) 9\frac{13}{17}a = -19\frac{9}{17}$$

$$28) \frac{9x}{17} = \frac{9}{34}$$

$$29) -1\frac{9}{17}r = -\frac{169}{17}$$

$$30) -\frac{608}{7} = -8v$$

$$31) \frac{10}{7}x = \frac{50}{7}$$

$$32) \frac{3}{2}a = -\frac{65}{12}$$

$$33) 8\frac{8}{11}n = 17\frac{5}{11}$$

$$34) 0 = -3\frac{5}{18}p$$

$$35) -1\frac{5}{6}k = -\frac{55}{12}$$

$$36) \frac{13}{12}a = -\frac{39}{20}$$

$$37) -\frac{2}{3}n = 1\frac{5}{27}$$

$$38) \frac{37}{20}a = 14\frac{1}{140}$$

$$39) -\frac{14}{13}v = -1\frac{129}{130}$$

$$40) -11\frac{7}{176} = 6\frac{1}{11}n$$

$$41) \frac{9v}{91} = \frac{603}{910}$$

$$42) \frac{14}{9}x = -\frac{56}{135}$$

$$43) \frac{33}{38} = -3\frac{3}{10}x$$

$$44) -\frac{31}{16}n = \frac{31}{48}$$

$$45) -\frac{10}{21} = \frac{m}{3}$$

$$46) -\frac{2}{19}n = -\frac{1}{114}$$

$$47) 7\frac{2}{3}n = 39\frac{18}{19}$$

$$48) 7\frac{1}{2}n = -156$$

$$49) \frac{19k}{49} = 0$$

$$50) 1\frac{3}{4}n = \frac{259}{18}$$

$$51) \frac{20k}{193} = \frac{50}{1737}$$

$$52) -3\frac{1}{3} = -\frac{1}{2}n$$

$$53) \frac{16}{5}n = -\frac{288}{55}$$

$$54) -1\frac{23}{42} = -\frac{5}{12}v$$

$$55) -3\frac{7}{10}p = 1\frac{7}{30}$$

$$56) \frac{7}{4}x = 5\frac{13}{38}$$

$$57) \frac{15a}{83} = \frac{7}{83}$$

$$58) 5 = \frac{5}{4}n$$

$$59) 10\frac{11}{16}b = -29\frac{173}{224}$$

$$60) \frac{16a}{43} = 0$$

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4) $\frac{3}{5}v = 5\frac{32}{35} \left\{ 9\frac{6}{7} \right\}$

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6) $\frac{28}{73} = \frac{10x}{73} \left\{ 2\frac{4}{5} \right\}$

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8) $\frac{x}{2} = \frac{1}{10} \left\{ \frac{1}{5} \right\}$

9) $-\frac{2}{13}x = 0$
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10) $-2\frac{5}{9} = \frac{2}{3}x \left\{ -3\frac{5}{6} \right\}$

11) $-\frac{1}{18}b = \frac{22}{135} \left\{ -2\frac{14}{15} \right\}$

12) $-\frac{456}{143} = 3\frac{5}{11}r \left\{ -\frac{12}{13} \right\}$

13) $-\frac{6}{7}n = -\frac{4}{21} \left\{ \frac{2}{9} \right\}$

14) $13\frac{1}{3}m = 30 \left\{ 2\frac{1}{4} \right\}$

15) $2\frac{353}{539} = \frac{18k}{77} \left\{ 11\frac{5}{14} \right\}$

16) $\frac{171}{104} = 10\frac{11}{16}x \left\{ \frac{2}{13} \right\}$

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19) $-\frac{1}{8}x = -1\frac{19}{64} \left\{ 10\frac{3}{8} \right\}$

20) $5\frac{1}{3}n = 3\frac{23}{27} \left\{ \frac{13}{18} \right\}$

21) $\frac{10x}{41} = \frac{830}{533} \left\{ 6\frac{5}{13} \right\}$

22) $-\frac{15}{52} = \frac{3a}{13} \left\{ -1\frac{1}{4} \right\}$

$$23) -\frac{14}{13}v = 2 \left\{ -1 \frac{6}{7} \right\}$$

$$24) -\frac{13}{12}p = \frac{13}{132} \left\{ -\frac{1}{11} \right\}$$

$$25) -\frac{21}{170} = \frac{1}{10}a \left\{ -1 \frac{4}{17} \right\}$$

$$26) -64\frac{3}{4} = -5x \left\{ 12 \frac{19}{20} \right\}$$

$$27) 9\frac{13}{17}a = -19\frac{9}{17} \\ \left\{ -2 \right\}$$

$$28) \frac{9x}{17} = \frac{9}{34} \left\{ \frac{1}{2} \right\}$$

$$29) -1\frac{9}{17}r = -\frac{169}{17} \left\{ 6 \frac{1}{2} \right\}$$

$$30) -\frac{608}{7} = -8v \left\{ 10 \frac{6}{7} \right\}$$

$$31) \frac{10}{7}x = \frac{50}{7} \\ \left\{ 5 \right\}$$

$$32) \frac{3}{2}a = -\frac{65}{12} \left\{ -3 \frac{11}{18} \right\}$$

$$33) 8\frac{8}{11}n = 17\frac{5}{11} \\ \left\{ 2 \right\}$$

$$34) 0 = -3\frac{5}{18}p \\ \left\{ 0 \right\}$$

$$35) -1\frac{5}{6}k = -\frac{55}{12} \left\{ 2 \frac{1}{2} \right\}$$

$$36) \frac{13}{12}a = -\frac{39}{20} \left\{ -1 \frac{4}{5} \right\}$$

$$37) -\frac{2}{3}n = 1\frac{5}{27} \left\{ -1 \frac{7}{9} \right\}$$

$$38) \frac{37}{20}a = 14\frac{1}{140} \left\{ 7 \frac{4}{7} \right\}$$

$$39) -\frac{14}{13}v = -1\frac{129}{130} \left\{ 1 \frac{17}{20} \right\}$$

$$40) -11\frac{7}{176} = 6\frac{1}{11}n \left\{ -1 \frac{13}{16} \right\}$$

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$$44) -\frac{31}{16}n = \frac{31}{48} \left\{ -\frac{1}{3} \right\}$$

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$$46) -\frac{2}{19}n = -\frac{1}{114} \left\{ \frac{1}{12} \right\}$$

$$47) 7\frac{2}{3}n = 39\frac{18}{19} \left\{ 5 \frac{4}{19} \right\}$$

$$48) 7\frac{1}{2}n = -156 \left\{ -20 \frac{4}{5} \right\}$$

$$49) \frac{19k}{49} = 0$$
$$\{0\}$$

$$51) \frac{20k}{193} = \frac{50}{1737} \left\{ \frac{5}{18} \right\}$$

$$53) \frac{16}{5}n = -\frac{288}{55} \left\{ -1 \frac{7}{11} \right\}$$

$$55) -3 \frac{7}{10}p = 1 \frac{7}{30} \left\{ -\frac{1}{3} \right\}$$

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$$54) -1 \frac{23}{42} = -\frac{5}{12}v \left\{ 3 \frac{5}{7} \right\}$$

$$56) \frac{7}{4}x = 5 \frac{13}{38} \left\{ 3 \frac{1}{19} \right\}$$

$$58) 5 = \frac{5}{4}n$$

$$\{4\}$$

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$$\{0\}$$