Elementary Algebra Skill

Solving Linear Equations: Fractional Coefficients

Solve each equation.

1) $m + 4 = \dfrac{13}{2}$

2) $\dfrac{8}{3} = x - 1\dfrac{1}{3}$

3) $\dfrac{4}{5} + v = \dfrac{41}{20}$

4) $-\dfrac{11}{5} = -2 + n$

5) $-\dfrac{17}{4} = v - 2$

6) $x + 1 = \dfrac{11}{5}$

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

8) $-\dfrac{3}{2} = -\dfrac{3}{2}x$

9) $\dfrac{2}{5}x = -\dfrac{1}{10}$

10) $-\dfrac{9}{4} = -\dfrac{5}{4}x$

11) $\dfrac{4}{11}n = -\dfrac{16}{55}$

12) $\dfrac{5v}{13} = \dfrac{25}{39}$

13) $\dfrac{73}{18} = -\dfrac{2}{3}n + 1\dfrac{1}{2}$

14) $\dfrac{2}{3} + 2r = -\dfrac{86}{15}$

15) $\dfrac{5}{3}r + \dfrac{4}{3} = -\dfrac{8}{9}$

16) $\dfrac{3}{2}p - 2 = -\dfrac{7}{8}$

17) $\dfrac{3}{2}a - \dfrac{4}{3}a = -\dfrac{10}{3} + 2\dfrac{2}{3}a$

18) $-x + \dfrac{1}{2}x = \dfrac{67}{12} + x + \dfrac{5}{3} - 2$

19) $\dfrac{29}{18} + \dfrac{1}{2}x = -\dfrac{5}{3}\left(x + \dfrac{1}{3}\right)$

20) $\dfrac{7}{3}\left(\dfrac{1}{2}v - \dfrac{10}{3}\right) = -\dfrac{35}{3} - \dfrac{1}{2}v$