

Equations with Fractions *fluency*

ANSWERS

 Solve

1 $\frac{2x}{3} + 1 = 7$ $x = 9$ 2 $\frac{3x}{4} - 2 = 4$ $x = 8$ 3 $\frac{5x}{2} + 3 = 13$ $x = 4$

4 $\frac{2x}{5} = 6$ $x = 15$ 5 $\frac{4x}{3} - 1 = 7$ $x = 6$ 6 $\frac{x}{6} + 5 = 3$ $x = -12$

 Solve

7 $\frac{x+4}{3} = 5$ $x = 11$ 8 $\frac{x-2}{5} = 3$ $x = 17$

9 $\frac{2x+1}{3} = 7$ $x = 10$ 10 $\frac{3x-4}{2} = 10$ $x = 8$

11 $\frac{x+7}{4} = -1$ $x = -11$ 12 $\frac{5x+2}{6} = 2$ $x = 2$

 Solve

13 $\frac{x+3}{2} = \frac{x+9}{4}$ $x = 3$ 14 $\frac{2x-1}{3} = \frac{x+4}{2}$ $x = 14$

15 $\frac{x}{2} = \frac{x+6}{5}$ $x = 4$ 16 $\frac{3x+1}{4} = \frac{x+7}{2}$ $x = 13$

17 $\frac{x-5}{3} = \frac{x+1}{6}$ $x = 11$ 18 $\frac{4x}{5} = \frac{x+3}{2}$ $x = 5$

 Solve

19 $\frac{x}{2} + \frac{x}{3} = 10$ $x = 12$ 20 $\frac{x}{4} + \frac{x}{6} = 10$ $x = 24$

21 $\frac{x+1}{2} + \frac{x}{3} = 8$ $x = 9$ 22 $\frac{x}{5} - \frac{x}{10} = 2$ $x = 20$

23 $\frac{2x}{3} - \frac{x}{4} = 15$ $x = 36$ 24 $\frac{x+2}{3} + \frac{x-1}{2} = 6$ $x = 7$

 Solve

25 $\frac{x+5}{2} = 1$ $x = -3$ 26 $\frac{3x}{4} + 2 = 0.5$ $x = -2$

27 $\frac{x}{3} + \frac{x}{4} = -7$ $x = -12$ 28 $\frac{5x}{2} = 3$ $x = 1.2$

29 $\frac{3x-1}{2} = \frac{x}{4}$ $x = 0.4$ 30 $\frac{x-4}{3} = \frac{2x+1}{5}$ $x = -23$