

Solving equations — To 50

Name: _____

Date: _____

Solve each equation for x.

1 $\frac{x+1}{6} = \frac{7}{3}$
 $3(x+1) = 42$
 $3x+3 = 42$
 $3x = 39$
 $x = 13$

2 $\frac{x+13}{6} = \frac{x}{3}$

3 $\frac{x+9}{4} = \frac{x}{3}$

4 $\frac{x+6}{5} = \frac{x}{3}$

5 $\frac{x+2}{8} = \frac{x}{4}$

6 $\frac{x+2}{9} = \frac{1}{3}$

7 $\frac{x+2}{9} = \frac{4}{3}$

8 $\frac{x+3}{9} = \frac{4}{3}$

9 $\frac{x+2}{6} = \frac{8}{3}$

10 $\frac{x+2}{6} = \frac{5}{3}$



Solving equations · To 50 — Answer key

1. $\frac{x+1}{6} = \frac{7}{3} \rightarrow x = 13$

2. $\frac{x+13}{6} = x/3 \rightarrow x = 13$

3. $\frac{x+9}{4} = x/3 \rightarrow x = 27$

4. $\frac{x+6}{5} = x/3 \rightarrow x = 9$

5. $\frac{x+2}{8} = x/4 \rightarrow x = 2$

6. $\frac{x+2}{9} = \frac{1}{3} \rightarrow x = 1$

7. $\frac{x+2}{9} = \frac{4}{3} \rightarrow x = 10$

8. $\frac{x+3}{9} = \frac{4}{3} \rightarrow x = 9$

9. $\frac{x+2}{6} = \frac{8}{3} \rightarrow x = 14$

10. $\frac{x+2}{6} = \frac{5}{3} \rightarrow x = 8$