

# ☆ Solving Equations

$x + 3 = 5$        $x + 9 = 16$   
 a)  $x \rightarrow$   $\boxed{+3}$   $\rightarrow$  5    b)  $x \rightarrow$   $\boxed{+9}$   $\rightarrow$  16  
 $2 \leftarrow \boxed{-3}$   $\leftarrow$  5     $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  16  
 $x = \underline{\quad 2 \quad}$        $x = \underline{\quad \phantom{00} \quad}$

$x - 2 = 5$        $x - 5 = 8$   
 c)  $x \rightarrow$   $\boxed{\phantom{00}}$   $\rightarrow$  5    d)  $x \rightarrow$   $\boxed{\phantom{00}}$   $\rightarrow$  8  
 $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  5     $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  8  
 $x = \underline{\quad \phantom{00} \quad}$        $x = \underline{\quad \phantom{00} \quad}$

$3x = 15$        $8x = 24$   
 g)  $x \rightarrow$   $\boxed{\times 3}$   $\rightarrow$  15    f)  $x \rightarrow$   $\boxed{\times 8}$   $\rightarrow$  24  
 $\leftarrow$   $\boxed{\div 3}$   $\leftarrow$  15     $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  24  
 $x = \underline{\quad \phantom{00} \quad}$        $x = \underline{\quad \phantom{00} \quad}$

# ☆☆ Solving Equations

$x + 10 = 9$        $x + 12 = 18$   
 a)  $x \rightarrow$   $\boxed{\phantom{00}}$   $\rightarrow$  9    b)  $x \rightarrow$   $\boxed{\phantom{00}}$   $\rightarrow$  18  
 $-1 \leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  9     $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  18  
 $x = \underline{\quad \phantom{00} \quad}$        $x = \underline{\quad \phantom{00} \quad}$

$x - 9 = 13$        $x - 13 = 24$   
 c)  $x \rightarrow$   $\boxed{\phantom{00}}$   $\rightarrow$  13    d)  $x \rightarrow$   $\boxed{\phantom{00}}$   $\rightarrow$  24  
 $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  13     $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  24  
 $x = \underline{\quad \phantom{00} \quad}$        $x = \underline{\quad \phantom{00} \quad}$

$4x = 24$        $9x = 36$   
 g)  $x \rightarrow$   $\boxed{\phantom{00}}$   $\rightarrow$  24    f)  $x \rightarrow$   $\boxed{\phantom{00}}$   $\rightarrow$  36  
 $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  24     $\leftarrow$   $\boxed{\phantom{00}}$   $\leftarrow$  36  
 $x = \underline{\quad \phantom{00} \quad}$        $x = \underline{\quad \phantom{00} \quad}$

# ★★★ Solving Equations

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6x + 3 = 21

a)  $\begin{array}{c} \rightarrow \\ \boxed{\times 6} \end{array} \rightarrow \boxed{+3} \rightarrow 21 \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

8x + 5 = 9

b)  $\begin{array}{c} \rightarrow \\ \boxed{\times 8} \end{array} \rightarrow \boxed{+5} \rightarrow 9 \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

5x - 8 = 2

c)  $\begin{array}{c} \rightarrow \\ \boxed{\phantom{00}} \end{array} \rightarrow \boxed{\phantom{00}} \rightarrow 2 \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

5x + 3 = 13

d)  $\begin{array}{c} \rightarrow \\ \boxed{\phantom{00}} \end{array} \rightarrow \boxed{\phantom{00}} \rightarrow 13 \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

2x - 9 = -5

e)  $\begin{array}{c} \rightarrow \\ \boxed{\phantom{00}} \end{array} \rightarrow \boxed{\phantom{00}} \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

2x - 3 = -1

f)  $\begin{array}{c} \rightarrow \\ \boxed{\phantom{00}} \end{array} \rightarrow \boxed{\phantom{00}} \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

$\frac{x}{2} = 8$

a)  $\begin{array}{c} \rightarrow \\ \boxed{+2} \end{array} \rightarrow 8 \rightarrow \dots$

$\dots \leftarrow 16 \leftarrow \boxed{\phantom{00}} \leftarrow 8 \rightarrow \dots$

x = \_\_\_\_\_

$\frac{x}{3} = 12$

b)  $\begin{array}{c} \rightarrow \\ \boxed{\phantom{00}} \end{array} \rightarrow 12 \rightarrow \dots$

$\dots \leftarrow 16 \leftarrow \boxed{\phantom{00}} \leftarrow 12 \rightarrow \dots$

x = \_\_\_\_\_

$\frac{x}{2} - 1 = 2$

c)  $\begin{array}{c} \rightarrow \\ \boxed{+2} \end{array} \rightarrow \boxed{-1} \rightarrow 2 \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

$\frac{x}{3} - 3 = 3$

d)  $\begin{array}{c} \rightarrow \\ \boxed{+3} \end{array} \rightarrow \boxed{-3} \rightarrow 3 \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

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

e)  $\begin{array}{c} \rightarrow \\ \boxed{\phantom{00}} \end{array} \rightarrow \boxed{\phantom{00}} \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_

$\frac{x}{3} - 2 = 1$

f)  $\begin{array}{c} \rightarrow \\ \boxed{\phantom{00}} \end{array} \rightarrow \boxed{\phantom{00}} \rightarrow \dots$

$\dots \leftarrow \boxed{\phantom{00}} \leftarrow \boxed{\phantom{00}} \leftarrow \dots$

x = \_\_\_\_\_