

# Mixed Equations

Name: \_\_\_\_\_ Date: \_\_\_\_\_



Solve the equations.

(1)  $-5 + \frac{x}{-5} = 4$

(2)  $\frac{x}{-4} - 8 = 13$

(3)  $15 = 4 + \frac{x}{3}$

(4)  $8x - 50 = -186$

(5)  $\frac{x}{-3} - 4 = 16$

(6)  $5 = \frac{x}{14} + 1$

(7)  $-344 = -136 - 16x$

(8)  $-5 = \frac{x}{-5} + 2$

(9)  $-162 = 4x - 58$

(10)  $-82 = 6x + 20$

(11)  $3 + \frac{x}{10} = -6$

(12)  $38 = 15x - 127$

(13)  $7 + \frac{x}{2} = -17$

(14)  $-7 + \frac{x}{-5} = -19$

(15)  $-18 = \frac{x}{-2} - 5$

# Mixed Equations

## ANSWER KEY



Solve the equations.

$$(1) \quad -5 + \frac{x}{-5} = 4$$

$$\frac{x}{-5} = 9$$

$$x = -45$$

$$(2) \quad \frac{x}{-4} - 8 = 13$$

$$\frac{x}{-4} = 21$$

$$x = -84$$

$$(3) \quad 15 = 4 + \frac{x}{3}$$

$$11 = \frac{x}{3}$$

$$33 = x$$

$$(4) \quad 8x - 50 = -186$$

$$8x = -136$$

$$x = -17$$

$$(5) \quad \frac{x}{-3} - 4 = 16$$

$$\frac{x}{-3} = 20$$

$$x = -60$$

$$(6) \quad 5 = \frac{x}{14} + 1$$

$$4 = \frac{x}{14}$$

$$56 = x$$

$$(7) \quad -344 = -136 - 16x$$

$$-208 = -16x$$

$$13 = x$$

$$(8) \quad -5 = \frac{x}{-5} + 2$$

$$-7 = \frac{x}{-5}$$

$$35 = x$$

$$(9) \quad -162 = 4x - 58$$

$$-104 = 4x$$

$$-26 = x$$

$$(10) \quad -82 = 6x + 20$$

$$-102 = 6x$$

$$-17 = x$$

$$(11) \quad 3 + \frac{x}{10} = -6$$

$$\frac{x}{10} = -9$$

$$x = -90$$

$$(12) \quad 38 = 15x - 127$$

$$165 = 15x$$

$$11 = x$$

$$(13) \quad 7 + \frac{x}{2} = -17$$

$$\frac{x}{2} = -24$$

$$x = -48$$

$$(14) \quad -7 + \frac{x}{-5} = -19$$

$$\frac{x}{-5} = -12$$

$$x = 60$$

$$(15) \quad -18 = \frac{x}{-2} - 5$$

$$-13 = \frac{x}{-2}$$

$$26 = x$$