



# Solving Multi Step Equations

Name \_\_\_\_\_

Score \_\_\_\_\_

MS:19

- 1) The perimeter of a square is 24 units with side length  $5(3x + 2) - 9$  units. Find the value of  $x$ .

\_\_\_\_\_

- 2) If the breadth and length of a rectangle are 5 units and  $3(-2 - 7h)$  units with the perimeter 40 units. Calculate the value of  $h$ .

\_\_\_\_\_

- 3) One of the side length of equilateral triangle is  $(5k - 2) - 2$  units. What will be value of  $k$  if the perimeter of equilateral triangle is 33 units?

\_\_\_\_\_

- 4) The perimeter of pentagon is 90 units. If one of the side length is  $y - 1 + 3(4 - 5y)$  units, determine the value of  $y$ .

\_\_\_\_\_

- 5) The side lengths of scalene triangle are  $-4(m - 1)$  units, 4 units and  $2(1 - m)$  units respectively with the perimeter 76 units. Find the value of  $m$ .

\_\_\_\_\_



# Solving Multi Step Equations

Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

MS:19

- 1) The perimeter of a square is 24 units with side length  $5(3x + 2) - 9$  units. Find the value of  $x$ .

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

---

- 2) If the breadth and length of a rectangle are 5 units and  $3(-2 - 7h)$  units with the perimeter 40 units. Calculate the value of  $h$ .

$$h = -1$$

---

- 3) One of the side length of equilateral triangle is  $(5k - 2) - 2$  units. What will be value of  $k$  if the perimeter of equilateral triangle is 33 units?

$$k = 3$$

---

- 4) The perimeter of pentagon is 90 units. If one of the side length is  $y - 1 + 3(4 - 5y)$  units, determine the value of  $y$ .

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

---

- 5) The side lengths of scalene triangle are  $-4(m - 1)$  units, 4 units and  $2(1 - m)$  units respectively with the perimeter 76 units. Find the value of  $m$ .

$$m = -11$$

---