Solving Multi Step Equations

1)   The side lengths of scalene triangle are 6 units, 3(4g – 5) and g units respectively with the perimeter 30 units. Find the value of g.

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2)   The perimeter of pentagon is 75 units. If one of the side length is 2 – 3n + 4(1 – n) units, determine the value of n.

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3)   If the breadth and length of a rectangle are 8 – p units and 7(p – 1) units with the perimeter 74 units, then calculate the value of p.

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4)   One of side length of equilateral triangle is 2(t – 5) + 3 – t units. What will be value of t if the perimeter of equilateral triangle is 51 units?

   _____

5)   The perimeter of a square is 24 units with side length 3(2b – 1) units.
   Find the value of b.

   _____

Solving Multi Step Equations

Answer key

1) The side lengths of scalene triangle are 6 units, 3(4g − 5) and g units respectively with the perimeter 30 units. Find the value of g.

g = 3

2) The perimeter of pentagon is 75 units. If one of the side length is 2 − 3n + 4(1 − n) units, determine the value of n.

n = −$\dfrac{9}{7}$

3) If the breadth and length of a rectangle are 8 − p units and 7(p − 1) units with the perimeter 74 units, then calculate the value of p.

p = 6

4) One of side length of equilateral triangle is 2(t − 5) + 3 − t units. What will be value of t if the perimeter of equilateral triangle is 51 units?

t = 24

5) The perimeter of a square is 24 units with side length 3(2b − 1) units.
Find the value of b.

b = $\dfrac{3}{2}$