Solving Multi Step Equations

Name _____

Score _____

MS:21

1) The perimeter of pentagon is 10 units. If one of the side length is $\frac{6a - 5}{7}$ units, determine the value of a.

_____

2) The perimeter of a square is 16 units with side length 4(2z – 1) – 16 units. Find the value of z.

_____

3) The side lengths of scalene triangle are 4q + 17 units, 11 – 2q and 7 units respectively with the perimeter 27 units. Find the value of q.

_____

4) If the breadth and length of a rectangle are 12 units and 5(2w – 3) units with the perimeter 34 units, then calculate the value of w.

_____

5) One of side length of equilateral triangle is 5 – 2(4u – 1) units. What will be value of u if the perimeter of equilateral triangle is 15 units?

_____

Solving Multi Step Equations

Answer key

Name _____

Score _____

MS:21

1) The perimeter of pentagon is 10 units. If one of the side length is $\frac{6a - 5}{7}$ units, determine the value of a.

a = $\frac{19}{6}$

2) The perimeter of a square is 16 units with side length 4(2z – 1) – 16 units. Find the value of z.

z = 3

3) The side lengths of scalene triangle are 4q + 17 units, 11 – 2q and 7 units respectively with the perimeter 27 units. Find the value of q.

q = –4

4) If the breadth and length of a rectangle are 12 units and 5(2w – 3) units with the perimeter 34 units, then calculate the value of w.

w = 2

5) One of side length of equilateral triangle is 5 – 2(4u – 1) units. What will be value of u if the perimeter of equilateral triangle is 15 units?

u = $\frac{1}{4}$