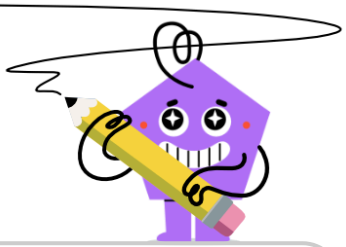
Name

Quadratic Equation Word Problem To Optimization (x) - 3-Sided Rectangle



1

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 15m of fencing.

What value of x would maximize the area of the parking lot?

A $x = 7.5m$	B $x = 4.5m$
C $x = 10.5m$	

2

A rectangular garden is built along x meters of a wall using a total of 16m of fencing.

What value of x would maximize the area of the garden?

A $x = 8m$	B $x = 5m$

3

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 25m of fencing.

What value of x would maximize the area of the parking lot?

A $x = 12.5m$	B $x = 14.5m$
C $x = 17.5m$	

4

A parking lot that is a rectangle shape is enclosed by x meters of a wall and 29m of fencing.

What value of x would maximize the area of the parking lot?

A $x = 14.5m$	B $x = 10.5m$

5

A rectangular garden is built along x meters of a wall using a total of 18m of fencing.

What value of x would maximize the area of the garden?

A $x = 9m$	B $x = 4m$
C $x = 11m$	

6

A rectangular garden is built along x meters of a wall using a total of 21m of fencing.

What value of x would maximize the area of the garden?

A $x = 9.5m$	B $x = 14.5m$
C $x = 10.5m$	

7

A rectangular garden is built along x meters of a wall using a total of 22m of fencing.

What value of x would maximize the area of the garden?

A $x = 8m$	B $x = 11m$
C $x = 10m$	

8

A rectangular garden is built along x meters of a wall using a total of 29m of fencing.

What value of x would maximize the area of the garden?

A $x = 14.5m$	B $x = 19.5m$