

Problem of the Week Solutions

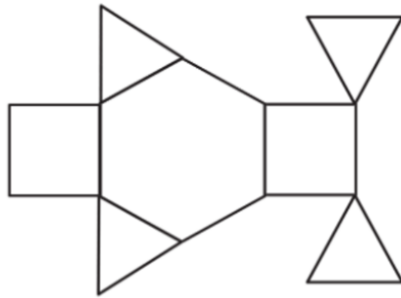
Mild

How many points is the figure worth?

Triangles = 2 points

Squares = 4 points

Hexagons = 7 points

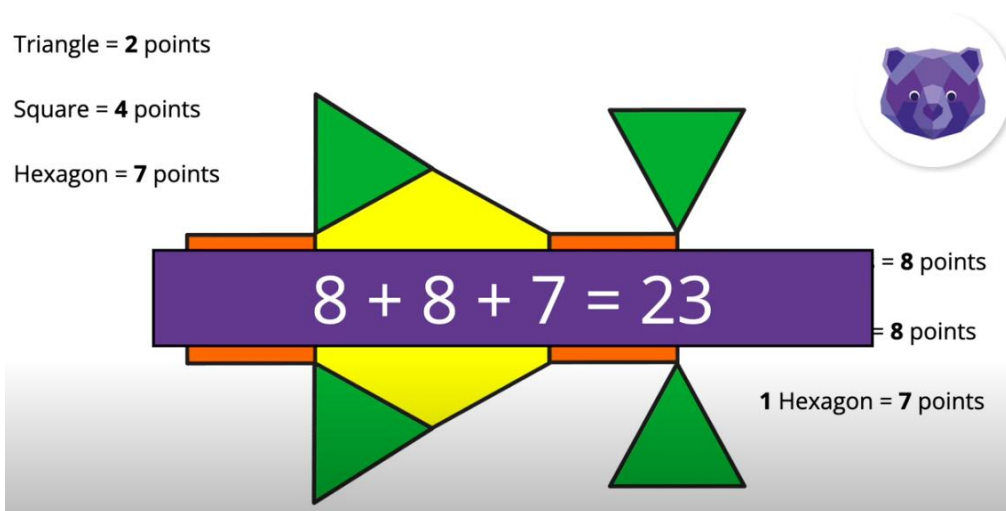


Solution:

Triangle = 2 points

Square = 4 points

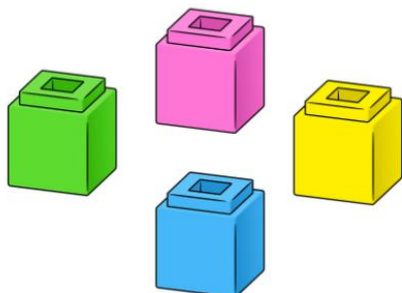
Hexagon = 7 points



Medium

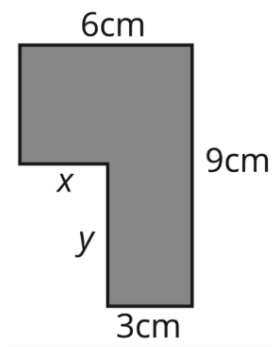
I am going to build a tower with these 4 blocks by placing them one on top of each other.

How many different towers can I make where **green** is always **directly below pink**?

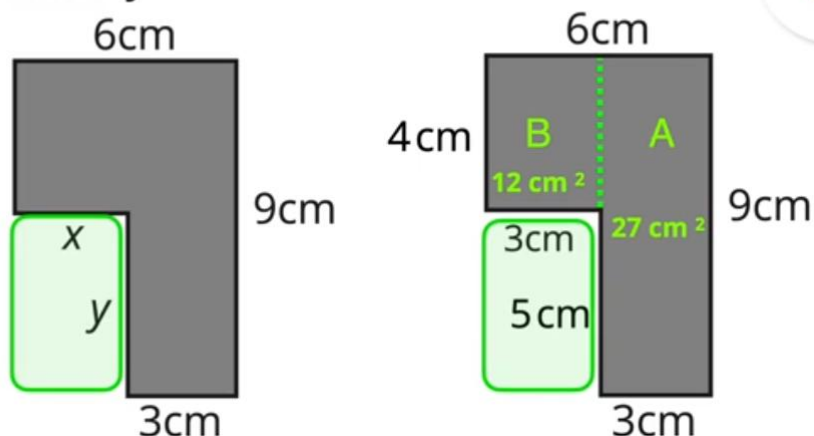


[illegible]

The polygon shown has an area of 39cm squared.
Each pair of sides in the polygon intersect at right angles.
What is the total length of the two segments marked x and y?



What is the **total length** of the two segments marked **x** and **y**?



Total length of x
and y is 8cm