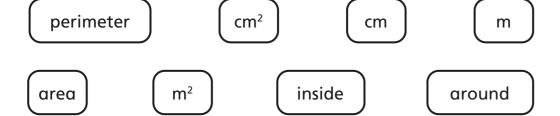
Area and perimeter



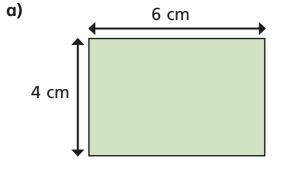
1 Use the words to complete the sentences.

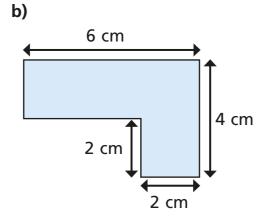


two-dimensional shape. It can be measured in units such as

shape. It can be measured in units such as _____ or ____ or

Work out the areas and perimeters of the shapes.

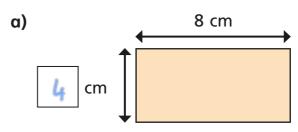


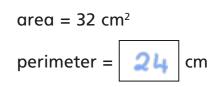


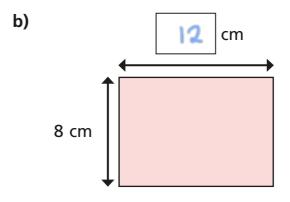
perimeter =
$$20$$
 cm area = 24 cm²

perimeter =
$$20$$
 cm area = 16 cm²

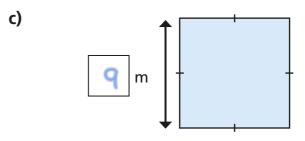
3 Work out the missing values.



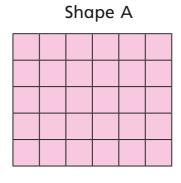




area =
$$96$$
 cm² perimeter = 40 cm



4) Work out the areas and perimeters of the shapes.



Shape B

area =
$$30$$
 cm²

perimeter = 22 cm

area =
$$29$$
 cm²

perimeter = 22 cm

What do you notice?





If you start with a rectilinear shape, when you increase the area, the perimeter will increase.

Tommy

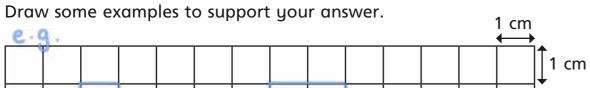
e . 9

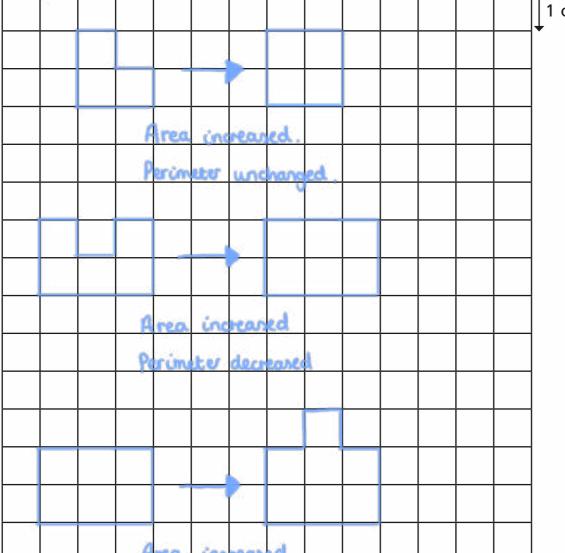
Amir

It depends on the shape.



Who do you agree with? _____



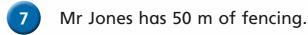




- Two rectilinear shapes, A and B, each have an area of 12 squares.
 - Shape A has the largest perimeter possible.
 - Shape B has the smallest perimeter possible.

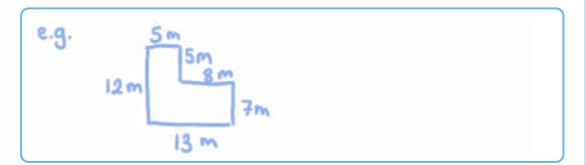
Draw shapes A and B. 1 cm

What do you notice?



He wants to make a rectilinear enclosure using all the fencing.

a) Draw an example of a shape he could make. Give units on your diagram.



b) What is the greatest possible area of the enclosure?



c) What is the smallest possible area of the enclosure?











