Maths

Use the words to complete the sentences.

$\qquad$ is the amount of space $\qquad$ a two-dimensional
shape. It can be measured in units such as $\qquad$ or $\qquad$
$\qquad$ is the distance $\qquad$ a two-dimensional
shape. It can be measured in units such as $\qquad$ or $\qquad$
2. Work out the areas and perimeters of the shapes.
a)

b)

(3) Work out the missing values.
a)

area $=32 \mathrm{~cm}^{2}$
perimeter $=\square \mathrm{cm}$
b)

area $=$

perimeter $=40 \mathrm{~cm}$
c)


perimeter $=36 \mathrm{~m}$
(4) Work out the areas and perimeters of the shapes.



What do you notice?
(3) Work out the missing values.
a)

area $=32 \mathrm{~cm}^{2}$
perimeter $=\square \mathrm{cm}$
b)

area $=$ $\square$ $\mathrm{cm}^{2}$
perimeter $=40 \mathrm{~cm}$
c)

area $=$
 $m^{2}$
perimeter $=36 \mathrm{~m}$

4 Work out the areas and perimeters of the shapes.


What do you notice?

5


Who do you agree with?
Draw some examples to support your answer.

6 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 $B$.
What do you notice?
(7) Mr Jones has 50 m of fencing.

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?

