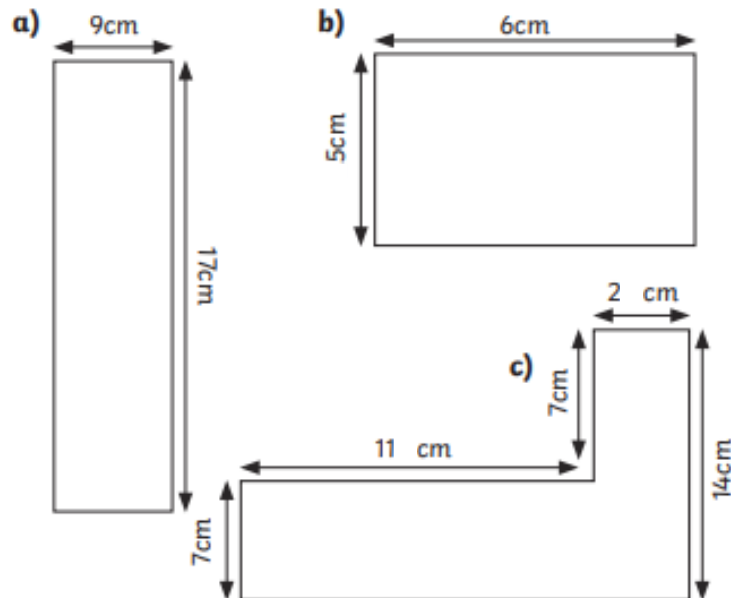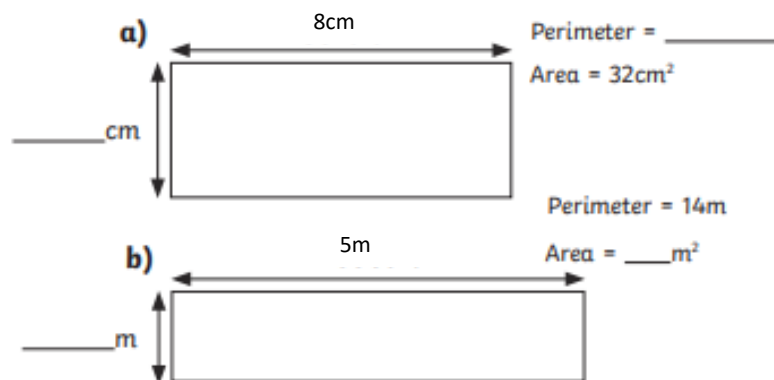Area is the amount of space **inside** a two-dimensional shape. It can be measured in units such as **cm²** or **m²**

Perimeter is the distance **around** a two-dimensional shape. It can be measured in units such as **cm** or **m**.

Sycamore Homework 3/11/23 – Area and Perimeter

1) Calculate the area and perimeter of the following rectilinear shapes (not to scale).

a) 9cm
17cm

b) 6cm
5cm

c) 2 cm
7cm
11 cm
7cm
14cm

2) Give the missing values for each shape.

a) 8cm
_____cm
Perimeter = _____
Area = 32cm²

b) 5m
_____m
Perimeter = 14m
Area = _____m²

3) Investigate if Alice's and Oliver's statements are true or false by drawing example shapes for each.

Alice
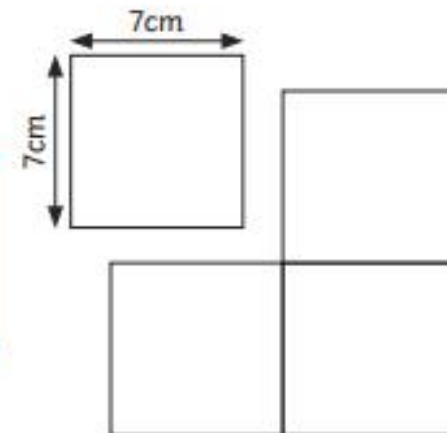I can draw two shapes that have an area of 4cm² but different perimeters.

Oliver
I can draw a shape with the same perimeter and the same area.

4) Three of these squares are made into a new shape.

Ben
I think that the new shape has an area and perimeter that is three times that of the original square.

7cm
7cm

a) Do you agree with Ben's statement? What mistake do you think he has made?

b) Give the area and perimeter of the new shape.