LO: To calculate the area and perimeter of rectangles

Calculate the **area** and the **perimeter** of the fields below.
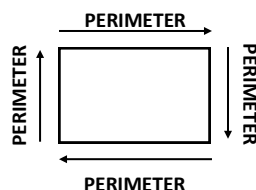
Area is the space contained inside a shape.
(Measured in squared units of measure)
For a rectangle: **A = l x w**

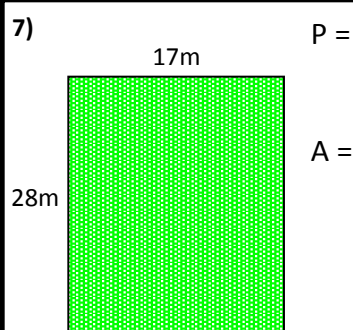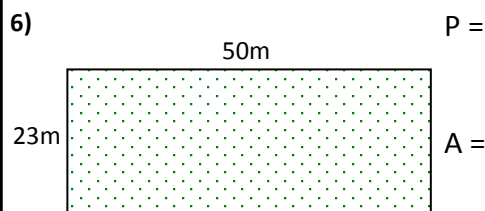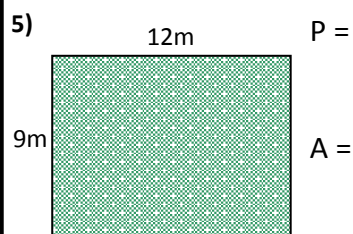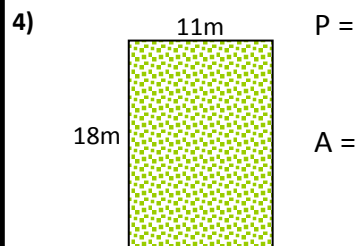**Perimeter** is the distance around the shape.
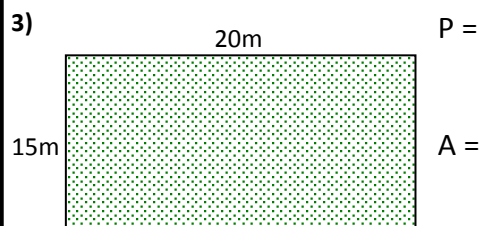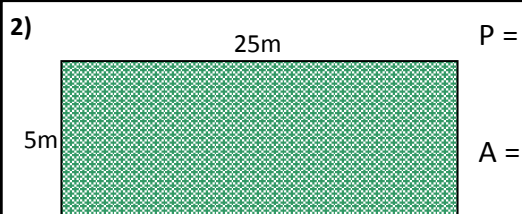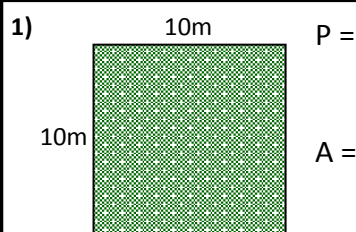For a rectangle: **P = 2 x (l + w)**
              Or **= (2 x l) + (2 x w)**

AREA

PERIMETER

Farmer Gump has two problems. His **first problem** is to work out how much fencing he needs to buy for his fields so his sheep don't escape. His **second problem** is to work out how many sheep each field can hold—each sheep needs a minimum of 10m² of grass!

Farmer Gump's Fields

NOT TO SCALE

1)
10m
10m
P =
A =

2)
25m
5m
P =
A =

3)
20m
15m
P =
A =

4)
11m
18m
P =
A =

5)
12m
9m
P =
A =

6)
50m
23m
P =
A =

7)
17m
28m
P =
A =

How much fencing does Farmer Gump need?
How much will it cost?

How many sheep can Farmer Gump get to fill his fields?
How much will they cost?

Farmer's Market

Sheep cost £65 each.

Fence is £16 per metre.

LO: To calculate the area and perimeter of rectangles

Working out...

	Self Assess:	Teacher:
I can calculate the perimeter of rectangles using an appropriate written method (eg. (2 xl) + (2 x w)), showing my working out.		
I can calculate the area of rectangles using an appropriate written method (eg. l x w), showing my working out.		
I can add a number of results together, checking my calculation carefully to ensure no mistakes are made.		
I can use the results of my calculations to solve a problem using the appropriate information.		