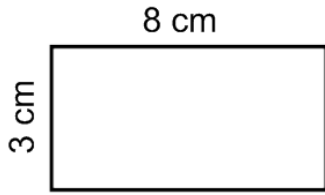L.O. : I can find unknown lengths.   Date:_____
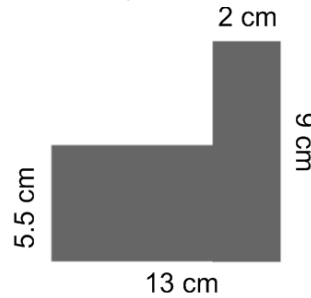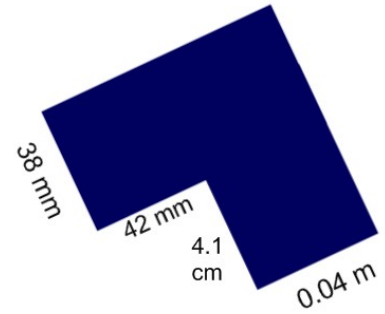
Fluency:

1) Find the missing lengths (add them to the sketch). Then calculate the perimeter.
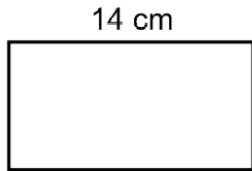
8 cm

3 cm

2 cm

5.5 cm

9 cm

13 cm

38 mm

42 mm

4.1 cm

0.04 m

P= _____   P= _____   P= _____

2) Find the missing lengths (add them to the sketch).

14 cm

P= 38 cm

6.4 cm

7.2 cm

P= 20 cm

58 mm

7.2 cm
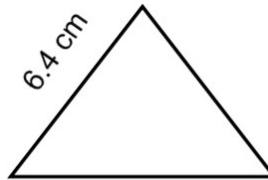
12 mm
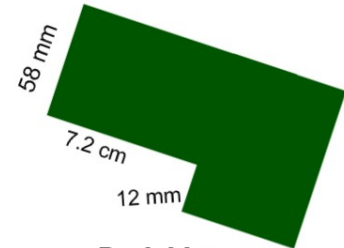
P= 0.36 m

Reasoning
3) True or false? Explain how you know.

P = 80 cm

0.24 m

140 mm

b   c

a

11 cm
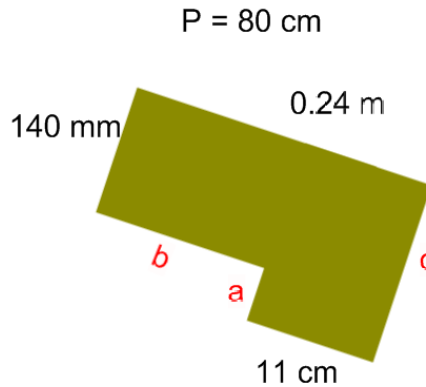
In a SATs test, the children had to calculate the missing lengths. Here are Yanni's answers.
a = 3 cm
b = 130 mm
c = 0.16 m

Diving Deeper:
4) Solve the problem by finding at least 3 different answers. Use a sketch for each to help you.

Tim's garden has the shape of an L.
He is planning on using the holidays to put some edging around the entire garden.
About the garden size, he knows three things:
a) The longest side fits 11 edging slabs with each being 0.5m long.
b) The base of the L shape fits 9 slabs.
c) The perimeter is 19m and no length requires him to cut any edging slab.

Extension: Create a word-problem for a friend. Swap and solve.

Please mark yourself on the learning line. How do you feel about the learning in this lesson?