

Lesson 9

LO: To measure the perimeter of a rectilinear shape

Success Criteria:

1. Look at your shape
2. Add your 4 four sides
3. Write the answer

Remember: Carefully count up all the sides

Model

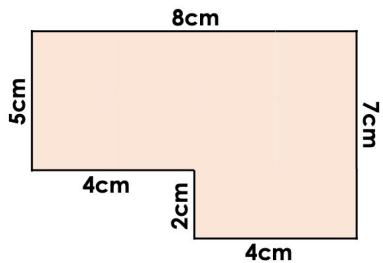
1.

2. $8 + 2 + 2 + 3 + 3 + 4 + 5 + 5 =$

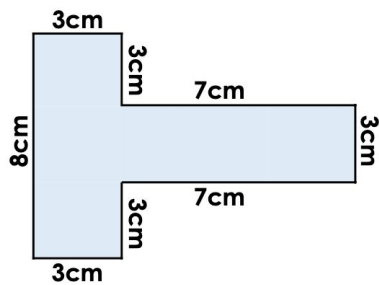
3. $8 + 2 + 2 + 3 + 3 + 4 + 5 + 5 = 32$

Now you try...

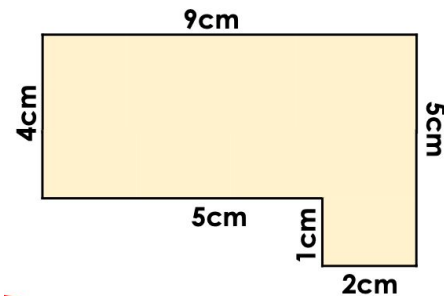
37cm



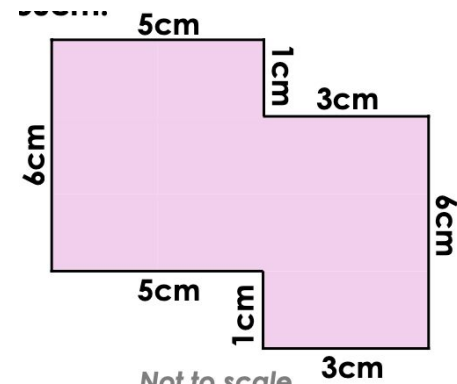
30cm



26cm



30cm



Not to scale

Canonbury Home Learning
Year 4 Maths

Task:

Lesson 9

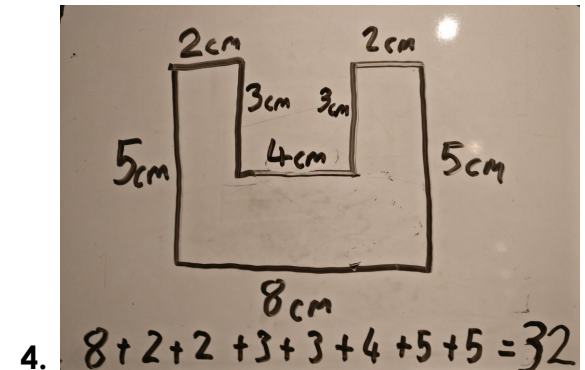
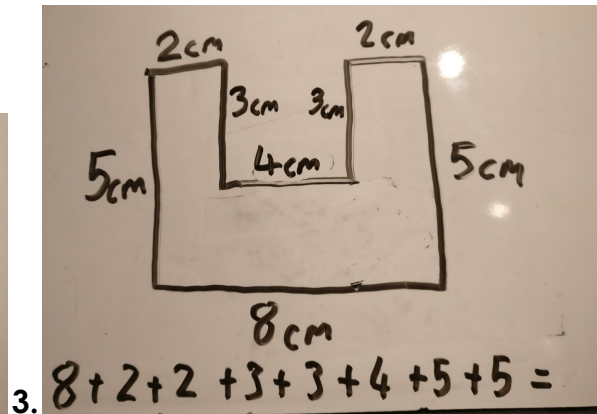
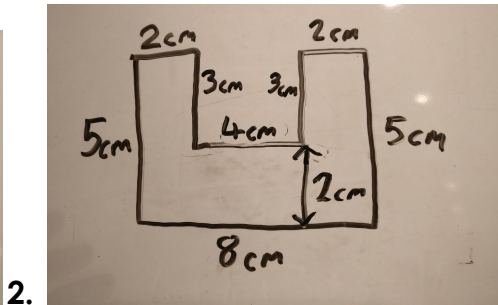
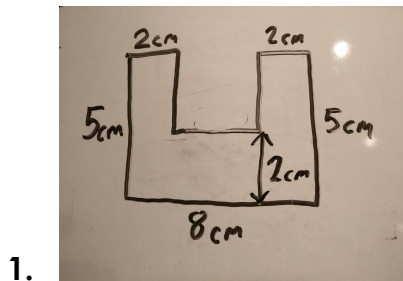
LO: To measure the perimeter of a rectilinear shape

Success Criteria:

1. Look at your shape
2. Work out the missing sides
3. Add your 4 four sides
4. Write the answer

Remember: Do not include the corner squares!

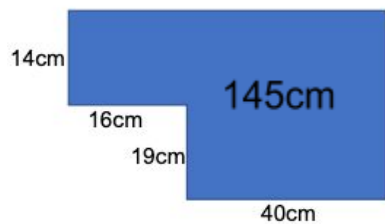
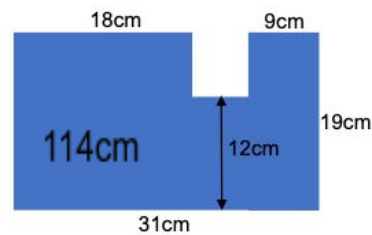
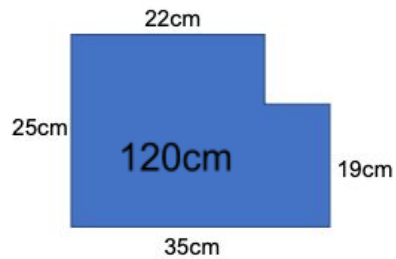
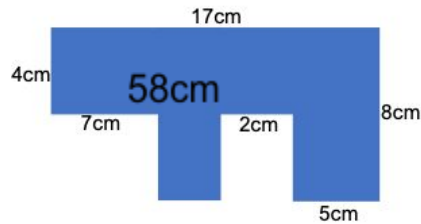
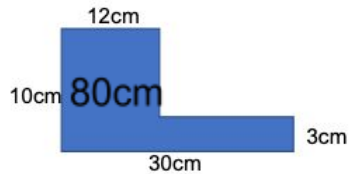
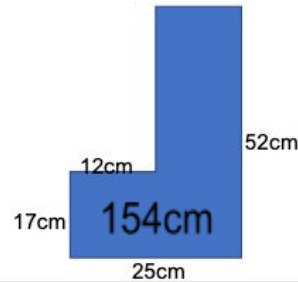
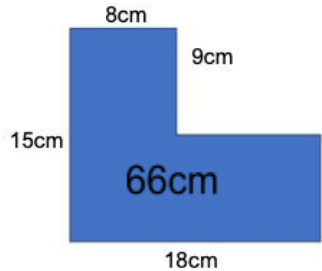
Model:



Task 1

Practice: Add the four sides up carefully

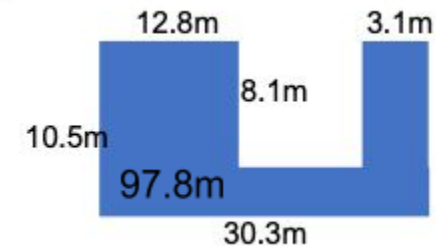
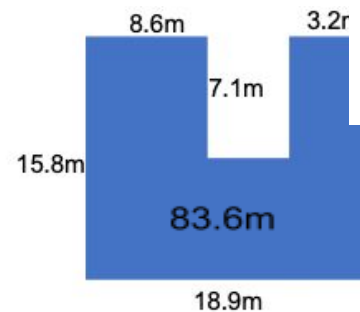
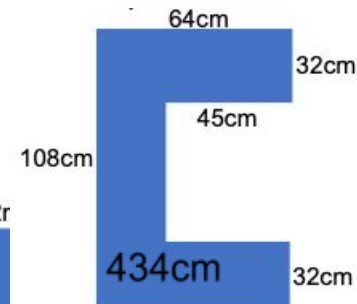
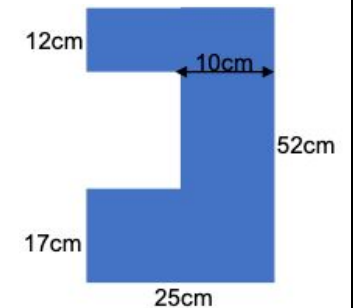
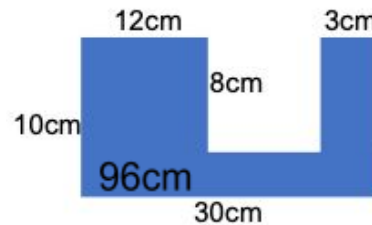
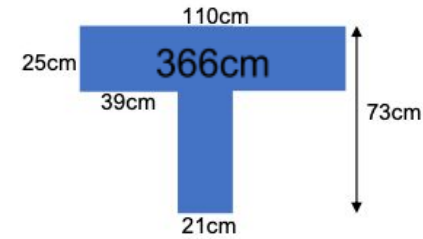
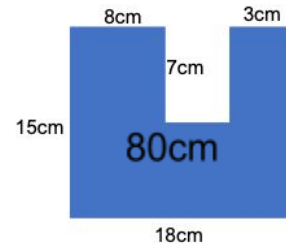
Answers in the shapes



Task 2

Practice: Look carefully at the units of measure

Answers in the shapes

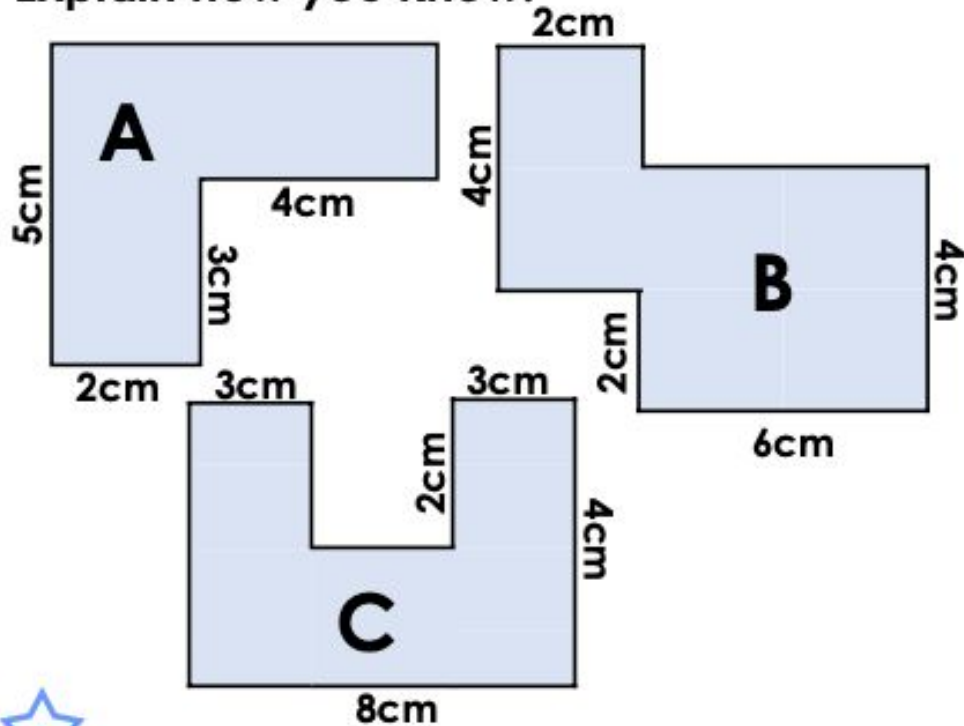


Task 3

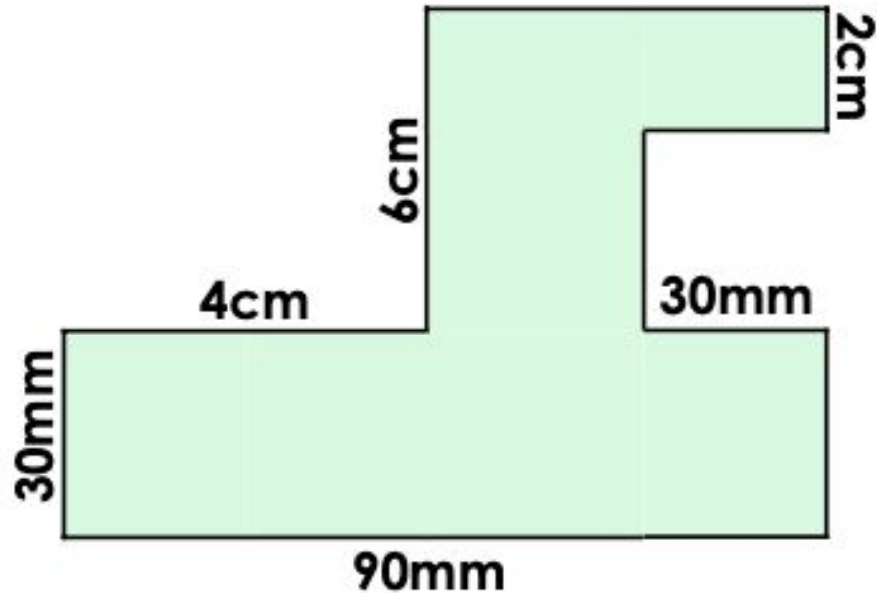
Reasoning

Explain your answers.

**4a. Which shape is the odd one out?
Explain how you know.**



9a. Imran thinks that this shape has a perimeter of 40cm.



Do you agree? Convince me.

4a. A. The perimeter of A = 22cm, but both B and C have a perimeter of 28cm.

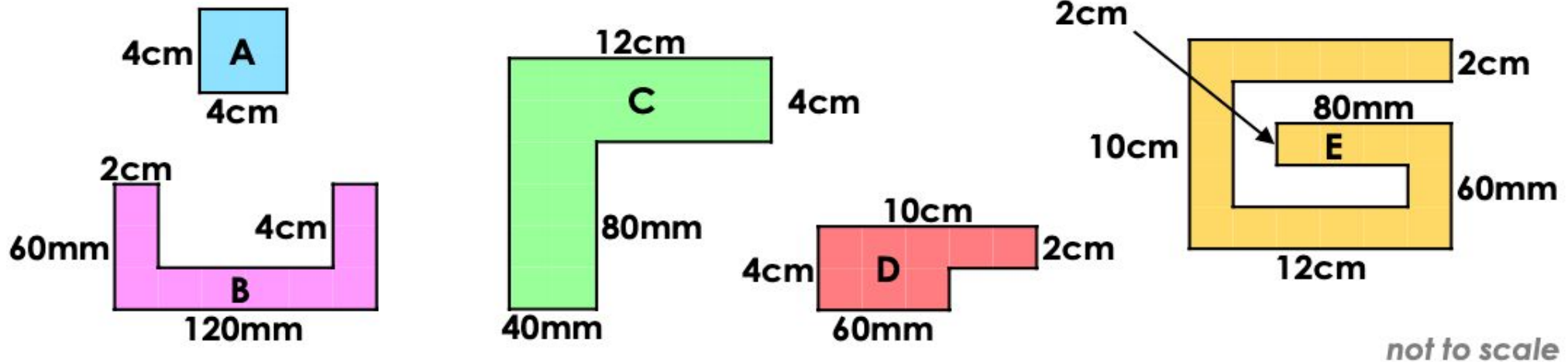
9a. No; the missing measurements are 5cm, 3cm, 4cm and 3cm, so the perimeter is 42cm.

Task 4

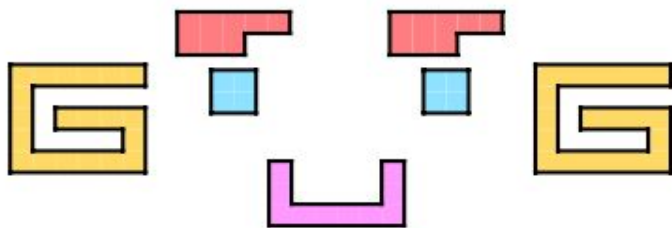
Problem solving

2. Use the shapes below to create a picture. You can use each shape up to twice. You must use at least 5 shapes but no more than 8 shapes in your picture.

Perimeters: A: 16cm; B: 44cm; C: 48cm; D: 28cm; E: 84cm



Here is an example:



Hint: Find the missing values to calculate the perimeter of each shape.

The total perimeter is 300cm.

Explore how you could design a picture with the smallest and largest perimeters.

Smallest perimeter 132cm; largest perimeter 408cm.