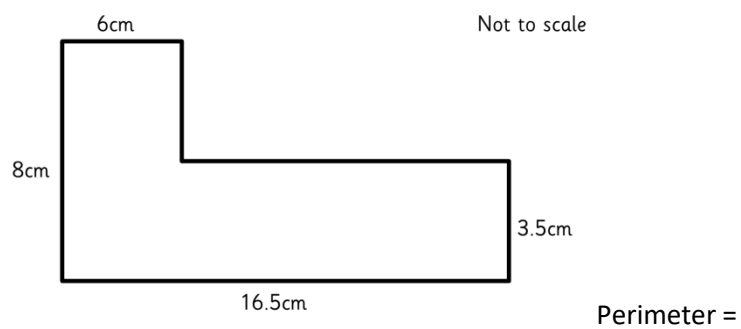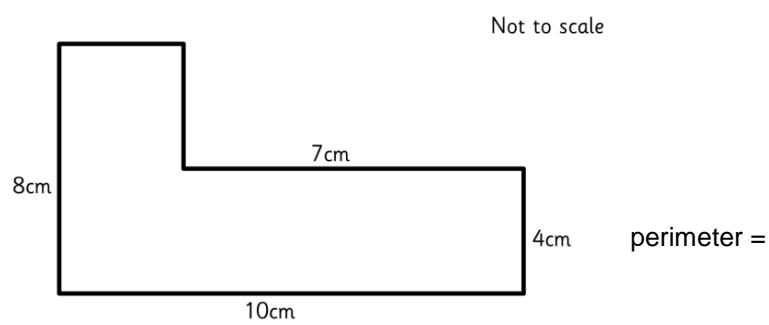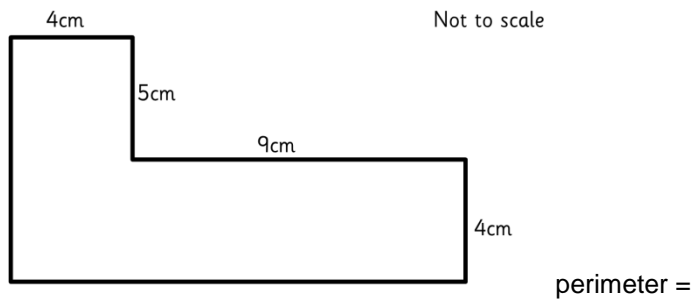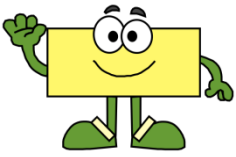Year 5

Week 5

Lesson 4 – measuring perimeter- composite shapes missing sides

Challenge 1

Calculate the perimeter (cm) of this composite shape by first finding the unknown lengths.

4cm   Not to scale

5cm

9cm

4cm   perimeter =

Not to scale

7cm

8cm

4cm   perimeter =

10cm

6cm   Not to scale
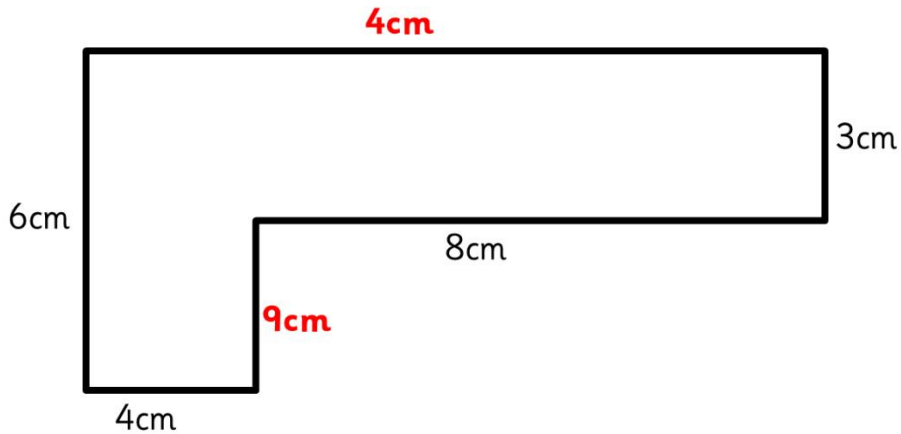
8cm

3.5cm

16.5cm

Perimeter =

Challenge 2

Ralph Rectangle is really chuffed with himself! He has calculated the perimeter of this composite shape by finding the unknown lengths and then adding up all of the sides.

Ralph has gone a little bit wrong ☹ He has written in **<u>red pen</u>** so you know which are his calculations. Find his mistakes and correct them. Make sure you explain what he has done and what he should have done!

Not to scale

4cm

3cm

6cm

8cm

9cm

4cm

Perimeter =

4+3+8+9+4+6= 34cm

Challenge 3

How many composite shapes can you draw with a total perimeter of 25cm?

Pick one of the composite shapes that you have drawn and explain how you know that the perimeter is 25cm.