

Thursday 30th April – Maths

If you have a printer you can print out the sheets or if not just write the answers in your book. If you have a ruler you can draw the shapes in your book.

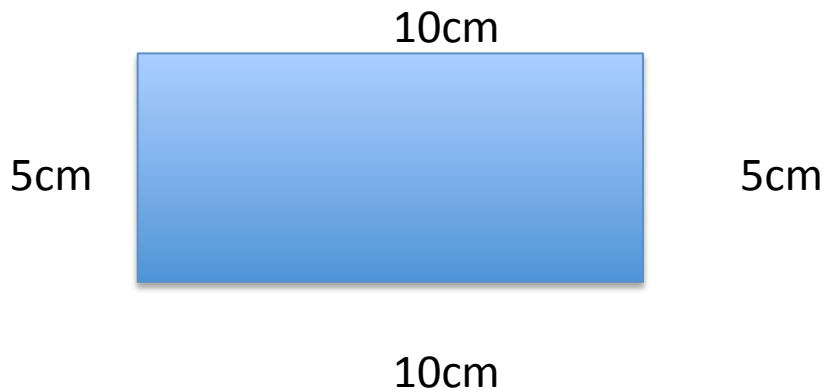
Remember how to calculate perimeter

The **perimeter** is the distance all the way around the **outside** of a 2D shape.

To work out the perimeter, add up the lengths of all the sides – its like you are walking around the edge of the shape.

Have a look at BBC Bitesize to help you with perimeter:

<https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zsr4k7h>

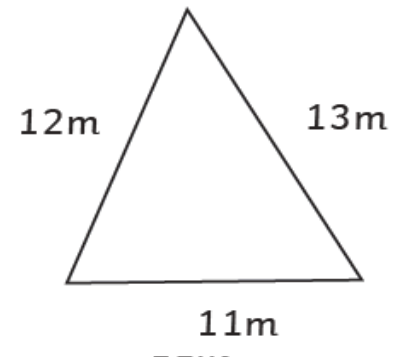


To find the perimeter:

$$10\text{cm} + 5\text{cm} + 10\text{cm} + 5\text{cm} = 30\text{cm}$$

1. A farmer wants to put a fence around a piece of land to keep his sheep away from his cows. One side of the fence is 12m, the second side is 11m and the third side is 13m. What is the total perimeter of the fence?

$$12\text{m}+11\text{m}+13\text{m}=36\text{m}$$



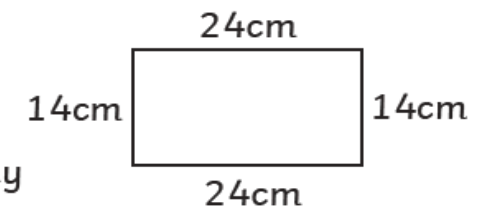
2. Oliver wants to measure the perimeter of his bedroom. His bedroom floor is an exact square and one side measures 4m. What is the perimeter of Oliver's room?

$$4\text{m} \times 4 = 16\text{m}$$



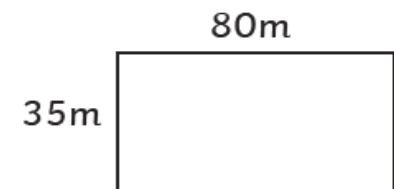
3. Andy has baked a rectangular cake and wants to place a ribbon around the perimeter of the cake. He uses a ruler to measure each side and he writes down the measurements of 24cm, 14cm, 24cm and 14cm. How much ribbon does he need to go all the way around the cake?

$$24\text{cm}+14\text{cm}+24\text{cm}+14\text{cm}=76\text{cm}$$

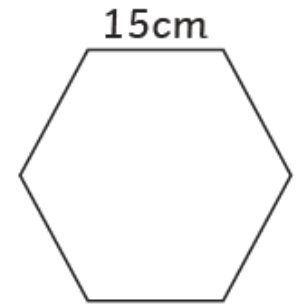


4. Ellie wants to run around the perimeter of the rectangular school field. The two long sides are each 80m long and the two short sides are each 35m long. How far will Ellie travel if she ran around the perimeter of the field?

$$80\text{m}+35\text{m}+80\text{m}+35\text{m}=230\text{m}$$



5. Katie has a hexagonal fish tank. She wants to buy a strip of fake plants to stick around the perimeter of the tank. All the sides measure 15cm each. How many centimetres of the fake plants will she need to buy to stick all the way around the fish tank? $15\text{cm} \times 6 \text{ sides} = 90\text{cm}$
-



6. Molly is moving house and needs to put sticky tape around two square boxes. The two boxes are the same size and all the sides each measure 60cm. What length of tape does she need to tape the perimeter of both boxes?

$60\text{cm} \times 4 = 240\text{cm}$ for one box.
 $\text{So } 240 \times 2 \text{ boxes} = 480\text{cm}$ in total

