5 Units and perimeter – Part 1

Name: _____ Class: _____ Date: _____

Vocabulary

Write each word three times.

English	**Write it 3 times** (English)
metric	
perimeter	

Recall

We measure length in **metric** units: millimetres (mm), centimetres (cm), metres (m) and kilometres (km).

New ideas

Read these first, then do the Practice.

■ 1 Converting units

To change to a **smaller** unit, multiply:

(to a smaller unit, multiply)

So 1 cm = 10 mm, 1 m = 100 cm and 1 km = 1000 m.

■ 2 Perimeter

The **perimeter** is the total distance around the edge of a shape:

perimeter
$= 5 + 3 + 5 + 3$
$= 16$ cm

Add up all the side lengths.

Watch out: going to a **smaller** unit, *multiply* (m $\rightarrow$ cm is $\times 100$); to a **bigger** unit, *divide*. The **perimeter** is the distance *around* the edge – add up all the sides (it is a length, not an area).

Practice

Try these in order.

5.1 How many millimetres are there in 1 cm? [1]

5.2 Change 3 m into centimetres. [1]

5.3 Change 250 cm into metres. [1]

5.4 Find the perimeter of a rectangle 8 cm by 4 cm. [2]

5.5 A square has sides of 6 cm. Find its perimeter. [1]

5.6 Challenge. A rectangle has a perimeter of 20 cm and one side is 6 cm. Find the length of the other side. [3]