

5 Units and perimeter – Part 1

Name: _____ Class: _____ Date: _____

Vocabulary 词汇

Write each word three times. 把每个单词抄写三遍。

English	中文	Write it 3 times (English)
metric	公制	_____
perimeter	周长	_____

Recall

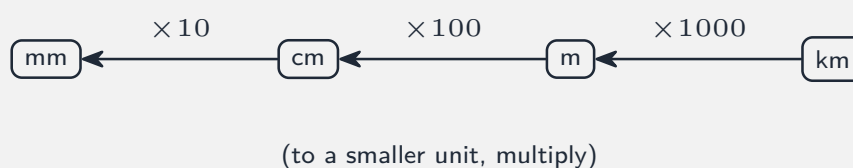
We measure length in **metric** 公制 units: millimetres (mm), centimetres (cm), metres (m) and kilometres (km).

New ideas

Read these first, then do the Practice.

■ 1 Converting units

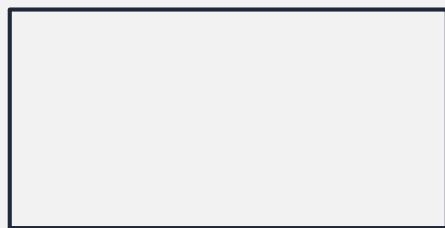
To change to a **smaller** unit, multiply:



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

■ 2 Perimeter

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



$$\begin{aligned}\text{perimeter} &= 5 + 3 + 5 + 3 \\ &= 16 \text{ cm}\end{aligned}$$

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]

