Equivalent lengths – mm and cm

1 There are 10 millimetres (mm) in 1 centimetre (cm).

Use the bar models to complete the sentences.

1 cm
10 mm

a)

1 cm	1 cm	1 cm
10mm	10mm	10mm

There are **30** mm in 3 cm.

b)

1 cm	1 cm	1 cm	1 cm	1 cm	1 cm	1 cm
10mm	10mm	10mm	10mm	10mm	10mm	10mm

There are **70** mm in 7 cm.

c)

1 cm	1 cm	1 cm	1 cm
10 mm	10 mm	10 mm	10 mm

There are 40 mm in **4** cm.

2 Match the equivalent lengths.

1 cm 3 mm	3 cm 1 mm	30 mm	33 mm	30 cm

300 mm	13 mm	31 mm	3 cm 0 mm	3 cm 3 mm
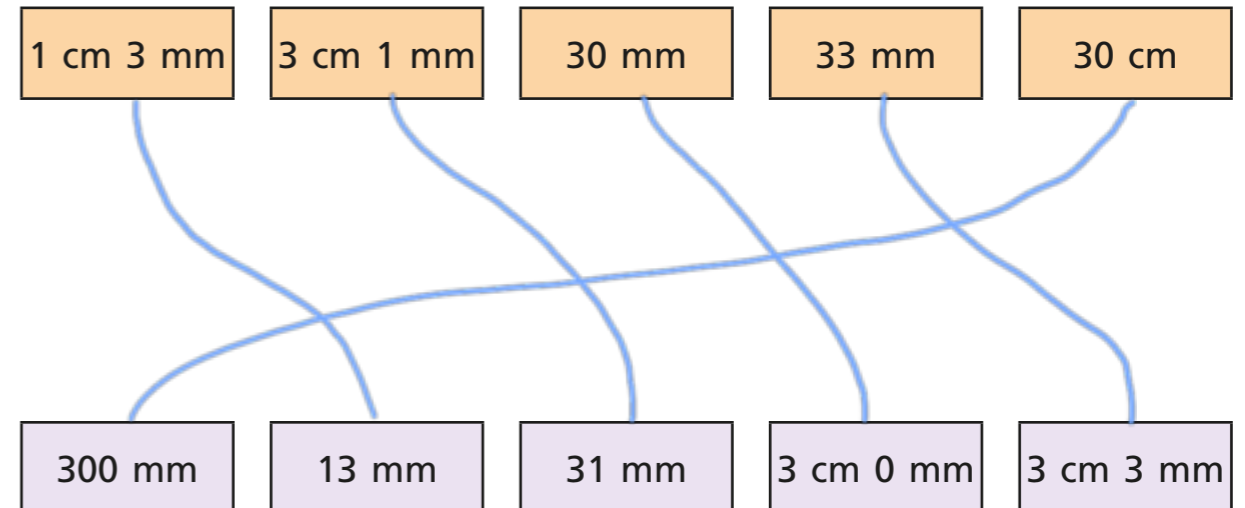
3 How long are the scissors?
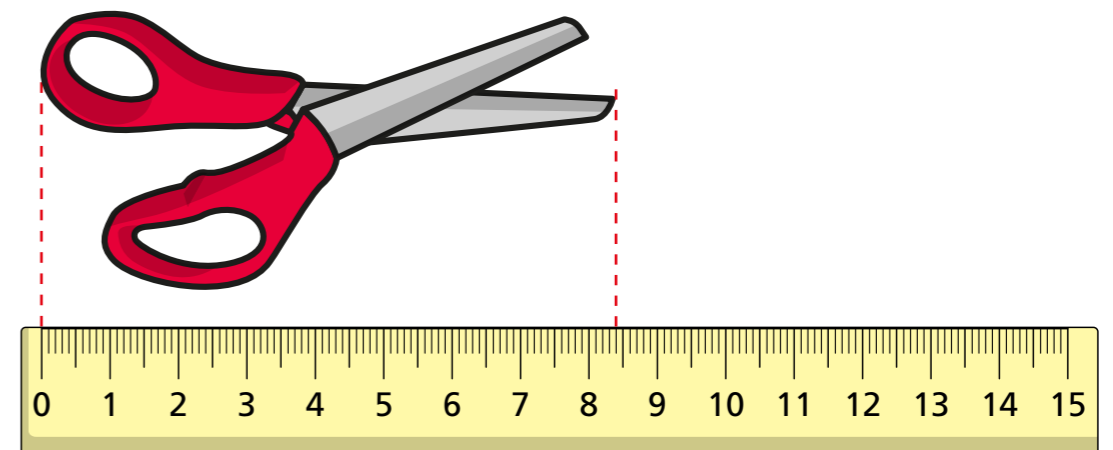
The scissors are **8** cm and **4** mm long.
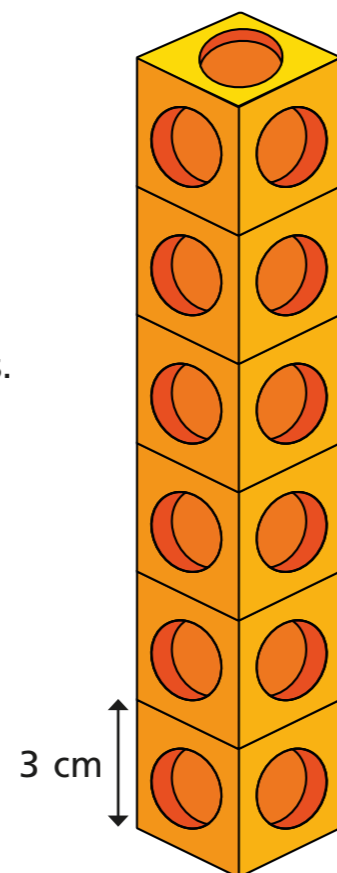
The scissors are **84** mm long.

4 Find three items in your classroom.

Measure them and complete the table.

One has been done for you.

Item	Length in cm and mm	Length in mm
toy car	9 cm 6 mm	96 mm

5 Filip and Kim are building towers using cubes.

Each cube is 3 cm high.

a) Filip uses 6 cubes.

How tall is Filip's tower?

Give your answer in millimetres.

Filip's tower is 180 mm tall.

3 cm

b) Kim's tower is 300 mm tall.

How many cubes does she use?

Kim uses 10 cubes.

6 Complete the bar models.

a)

62 mm	
6 cm	2 mm

c)

301 mm	
30 cm	1 mm

b)

4 mm	
0 cm	4 mm

d)

310 mm	
30 cm	10 mm