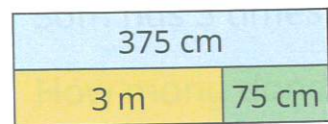


In this block, we explore measuring **length** and finding the **perimeters** of shapes. The perimeter is the distance around a shape.

We use rulers to take **measurements** in **centimetres** and **millimetres**.

This line is 3 cm and 7 mm long.

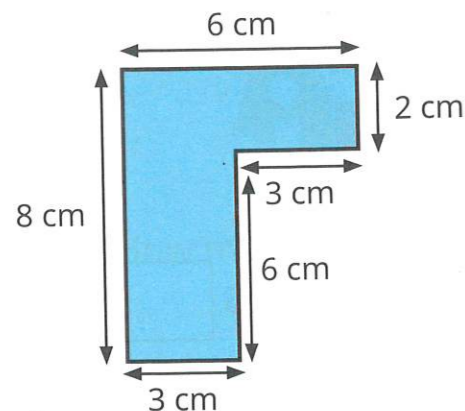
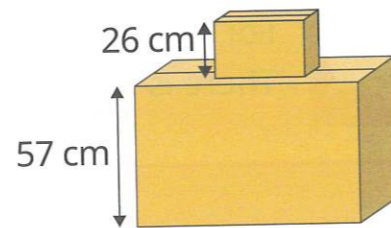


We use **bar models** to help us find **equivalent** lengths. This one shows that 375 cm is equivalent to 3 m and 75 cm.



We use **addition** and **subtraction** to solve length problems. **Partitioning** and using **number bonds** to 10 and 100 will help us!

Height of the tower:
26 cm + 57 cm = 70 cm + 13 cm = 83 cm



We will also work out the **perimeter** of a shape by adding the lengths of its sides. The perimeter of this shape is 28 cm.



Here are some maths words that you'll see. Can you remember what they mean?

measurements metres (m) centimetres (cm) millimetres (mm)
equivalent addition subtraction number bonds perimeter

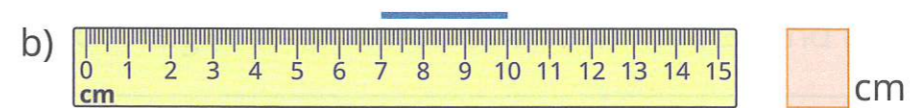
Date:

Let's remember

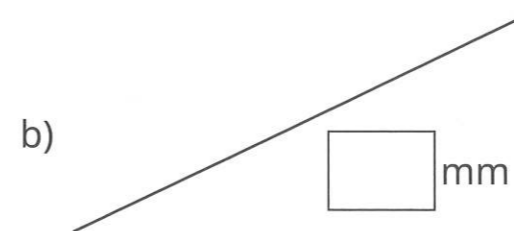
- 1 $87 \div 8 = \square$ remainder \square
- 2 $84 \div 4 = \square$
- 3 Use "double" or "half" to complete the sentence.
The 8 times-table is _____ the 4 times-table.
- 4 10 less than 108 is \square

Let's practise

1 What is the length of each line in centimetres?

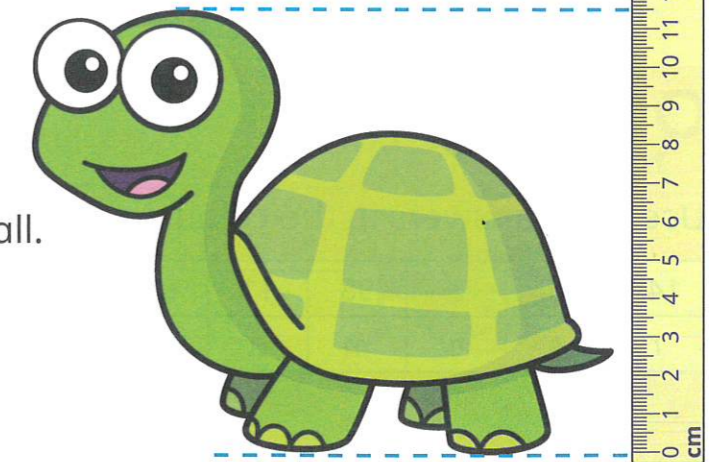


2 Use a ruler to measure each line in millimetres.

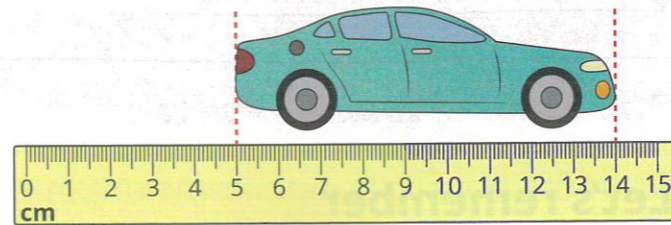


3 How tall is Tiny?

Tiny is \square cm and \square mm tall.

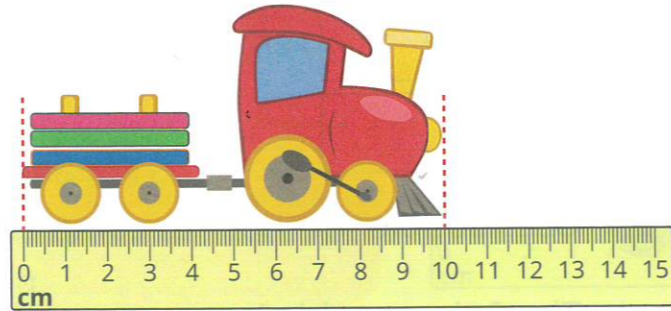


4 Teddy says the toy car is longer than the toy train.



a) Is Teddy correct? _____

b) Why do you think Teddy thought the car was longer than the train?



c) How long are the train and the car? Train cm Car cm

5 Put these lengths in order, starting with the shortest.

6 Kim is 143 cm tall.
 Jack is 1 m and 49 cm tall.
 Ron is 5 cm taller than Kim.
 Ron's younger sister is 57 cm shorter than Jack.

a) How tall is Ron? cm

b) How tall is Ron's sister? cm

Crack the code

Use your answers in the coloured boxes to crack the code.

148	10	3	98	11	92	9
r	s	e	m	a	e	u

Can you explain what the code word means?



Real world maths

Estimate how tall some items are in your house. Then measure to check. Write your estimates and measurements in the table.

Item	Estimate	Actual
table	1 m	95 cm

I think the table is 1 m tall.

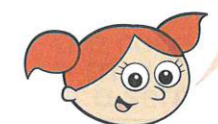


How close were your estimates?

Write each height in centimetres and in metres and centimetres.

Can you write all the heights in order, starting with the shortest?

Remember, 100 cm = 1 m.



How did you find these questions?

