# MEASURING LENGTH IN M AND CM

**Learning objective:**
- I am able to <u>convert</u> centimetres to metres or metres to centimetres

**Step to success:**
- use 1 m= 100 cm
- Convert metres to centimetres.
- Convert centimetres to metres

## LET'S REMEMBER!

1 x 10 = 10

2 x 100 = 200

when you **multiply**, you **add** the number of zeros

100 ÷ 10 = 10

200 ÷ 100 = 2

When you **divide** you **cancel** the number of zeros

🤔 So. if 1 m = 100 cm

We can use this to find 2 m in centimetres.

$$1 \text{ m} = 100 \text{ cm}$$

$$2 \text{ m} = 2 \times 100 \text{ cm}$$
$$= 200 \text{ cm}$$

**We can also change centimetres to metres using 1 m = 100 cm**

So. if 100 cm = 1 m
We can use this to find 900 cm in metres.

$$100 \text{ cm} = 1 \text{ m}$$

$$900 \text{ cm} = 900 \div 100 \text{ cm}$$
$$= 9 \text{ m}$$

# MEASURING LENGTH IN M AND CM

| Learning objective: | Step to success: |
|---|---|
| • I am able to <u>convert</u> centimetres to metres or metres to centimetres | • use I m= I00 cm<br>• Convert metres to centimetres.<br>• Convert centimetres to metres |

## CONVERT THE FOLLOWING INTO CENTIMETRES

**Example**

I m 26 cm → I m = [I00] cm

→ [26] cm

$$\begin{array}{r} 100 \\ + \phantom{0}26 \\ \hline 126 \end{array}$$

Hence. I m 26 cm is equal to [126] cm

**1** 5 m 57 cm → 5 m = [ ] cm

→ [ ] cm

Hence. 5 m 57 cm is equal to [ ] cm

**2** 4 m 27 cm → 4 m = [ ] cm

→ [ ] cm

Hence. 4 m 27 cm is equal to [ ] cm

**3** 3 m 69 cm → 3 m   [ ] cm

→ [ ] cm

Hence. 3 m 69 cm is equal to [ ] cm

# MEASURING LENGTH IN M AND CM

## CONVERT THE FOLLOWING INTO METRES AND CENTIMETRES

### Example

891 cm ⟶ 800 cm = [ 8 ] m

891 cm ⟶ [ 91 ] cm

$$\begin{array}{r} 891 \\ -\ 800 \\ \hline 091 \end{array}$$

Hence. 891 cm is equal to [ 8 ] m [ 91 ] cm

**1** 903 cm ⟶ 900 cm = [ ] m

903 cm ⟶ [ ] cm

Hence. 903 cm is equal to [ ] m [ ] cm

**2** 782 cm ⟶ 700 cm = [ ] m

782 cm ⟶ [ ] cm

Hence. 782 cm is equal to [ ] m [ ] cm

**3** 449 cm ⟶ 400 cm = [ ] m

449 cm ⟶ [ ] cm

Hence. 449 cm is equal to [ ] m [ ] cm