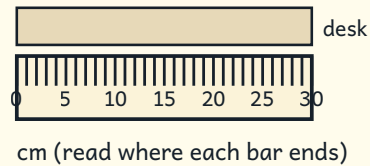


Measures investigation – estimate then measure around the room and yard

ESTIMATE THEN MEASURE A DESK

- Look at the desk and estimate its width as about **50 cm**.
- Measure along the ruler: the desk is **58 cm** wide.
- The gap is $58 \text{ cm} - 50 \text{ cm} = 8 \text{ cm}$, so the estimate was close.



WARM-UP

Estimate first, then measure with a ruler or metre stick, and work out the difference.

Object	Estimate (cm)	Measure (cm)	Difference
Your desk			
Your copybook			
The classroom door			
A chair			
The whiteboard			

- Write your estimate for each object BEFORE you measure it.
- Measure each object and write what you find.
- Work out the difference between your estimate and your measurement.

PRACTICE

- In the yard Aoife guesses the low wall is **120 cm** tall. She measures it as **135 cm**. How far off was her guess? _____
- Cian guesses the yard bench is **90 cm** long, then measures it as **85 cm**. What is the gap between his guess and the measure? _____
- At the yard door you want to know how HEAVY a full schoolbag is. Would you record that in centimetres or in kilograms? _____
- Niamh guesses the yard gate is **200 cm** tall. With a metre stick she measures **210 cm**. How many centimetres out was her estimate? _____
- The class guesses the width of the yard shed is **300 cm**. They measure it as **345 cm**. Work out the gap between the estimate and the measure. _____

REFLECT

When you estimated then measured around the room, were you usually close? What helped?