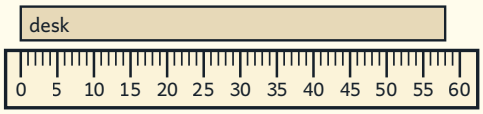
Lesson 52

Measures investigation: estimate then measure around the room and yard

ESTIMATE THEN MEASURE A DESK

1. Look at the desk and estimate its width as about **50 cm**.
2. Measure along the ruler: the desk is **58 cm** wide.
3. The gap is **58 cm − 50 cm = 8 cm**, so the estimate was close.



cm (read where each bar ends)

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			

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

PRACTICE

1. In the yard Aoife guesses the low wall is **120 cm** tall. She measures it as **135 cm**. How far off was her guess?
2. 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?
3. At the yard door you want to know how HEAVY a full schoolbag is. Would you record that in centimetres or in kilograms?
4. Niamh guesses the yard gate is **200 cm** tall. With a metre stick she measures **210 cm**. How many centimetres out was her estimate?
5. 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?

MEASURES