

DESK WIDTH WITH THE METRE ANCHOR

- 1 Hold the 1 m stick in your head: the teacher's desk looks a little under one metre.
- 2 Write a sensible estimate of **90** cm.
- 3 Read the metre tape on the desk: the actual width is **84** cm.
- 4 Subtract to find the difference: $90 - 84 = 6$ cm.

 WARM-UP

Write each estimate, actual and difference on its ruled line.

1. On the first line write the desk-width estimate 80 cm and the actual reading 74 cm
2. On the second line write the difference 6 cm
3. On the third line write the lunchbox mass estimate 0.5 kg

Desk width estimate and actual:

Difference:

Lunchbox mass estimate:

PRACTICE

- 1 In the classroom you hold the **1 kg** sugar bag as your anchor. About how heavy is a full schoolbag?
- 2 Look at the classroom window. Using the metre stick in your head, what sensible width do you estimate?
- 3 A full water bottle sits on the desk. Compare it with the **1 L** bottle anchor. What capacity do you estimate?
- 4 You estimated the teacher's desk width at **75 cm**. The metre tape reads **68 cm**. What is the difference?

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. A one-metre stick helps you make a better estimate of door width than a wild guess
- b. An estimate made with a 1 kg sugar bag is exactly equal to the true mass
- c. The difference between an estimate and the actual reading is found by subtraction
- d. A kilogram anchor can be used to estimate a length in centimetres