

STACKING BOOKS IN A BOX

- 1 Choose the instrument: a ruler for the box height and book height.
- 2 Read the two lengths: box **60** cm, each book **24** cm.
- 3 Match units (both already cm) and divide: $60 \div 24 = 2$.
- 4 Write the full answer with unit: **2 books** stack in the box.

 WARM-UP

Set out each measurement calculation on its ruled line. Show units and write the full answer.

1. Set out 90 cm shelf height divided by 15 cm box height
2. Change 1 kg to 1000 g then divide by 200 g batches
3. Set out 80 cm ribbon cut into 8 cm lengths

90 cm ÷ 15 cm =

$1000\text{ g} \div 200\text{ g} =$ _____

$$80 \text{ cm} \div 8 \text{ cm} =$$

PRACTICE

- 1 You are packing Maths books for a building display. The box is **72 cm** tall and each book is **18 cm** tall. How many books stack vertically?
- 2 You cut a ribbon **70 cm** long into equal **7 cm** lengths to tie model beams. How many lengths do you get?
- 3 A **3 kg** bag of sand is shared into **500 g** batches for mixing plaster. Change **3 kg** to grams first. How many batches?
- 4 You share a **1500 g** bag of rice into **300 g** bowls for the site canteen. How many bowls can you fill?
- 5 A wooden plank **240 cm** long is sawn into **30 cm** pieces for a model frame. How many pieces do you get?

ALWAYS, SOMETIMES, NEVER

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

- a. A length packing problem begins by reading both heights with a ruler or tape.
- b. Kilograms must be changed to grams before dividing a bag into gram batches.
- c. The answer to a measurement problem is written as a bare number with no unit.
- d. Two measurements in different units can be divided straight away.