# Scaled instruments

6 questions | 11 marks

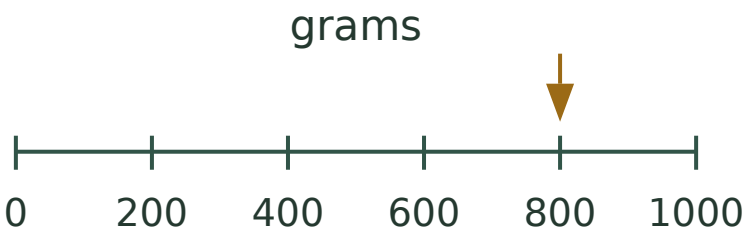
Equivalent correct methods earn the corresponding marks.

**1.** A ruler has 10 equal gaps from 0 to 10 cm. What does each gap represent? [1 mark]

$10 \div 10 = 1$ cm.

**Answer:** 1 cm

**2.** Read the mass pointer. [2 marks]

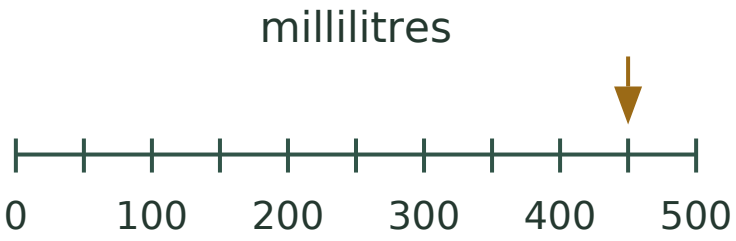



Five gaps cover 1000 g, so each is 200 g.

The pointer is four gaps from 0: $4 \times 200 = 800$ g.

**Answer:** 800 g

**3.** Read the liquid pointer. [2 marks]




Each small gap is 50 mL.

One gap after 400 is 450 mL.

**Answer:** 450 mL

**4.** A scale has five equal gaps from 0 to 50 kg. A pointer is four gaps from 0. Find the mass. [2 marks]

$50 \div 5 = 10$ kg each.

$4 \times 10 = 40$ kg.

**Answer:** 40 kg

**5.** A temperature scale rises from 10 °C to 30 °C in four equal gaps. Give the values at all five marks. [2 marks]

The difference is 20 °C.

$20 \div 4 = 5$ °C per gap.

**Answer:** 10, 15, 20, 25, 30 °C

**6.** A learner counts the two marks labelled 0 and 10 as two intervals. Explain why that is wrong. [2 marks]

Intervals are spaces between marks, not the marks themselves.

**Answer:** There is one gap between those two marks.