

Reading scales – to the nearest mm

MODULE 4 · MEASURES – LENGTH, MASS, CAPACITY, AREA, VOLUME NUMBER

READING A 5.7 CM PENCIL ON A RULER

- 1 Find the **whole-cm mark** the pencil reaches — here, **5 cm**.
- 2 Count the small **mm divisions** beyond the 5: **7 mm**.
- 3 Combine: **5 cm 7 mm**, which is also **5.7 cm** or **57 mm**.

HOW TO ANSWER TODAY

- **Read a ruler.** Each big mark = 1 cm = 10 mm. Each little mark = 1 mm.

$$3 \text{ cm} + 7 \text{ mm} = 37 \text{ mm} = 3.7 \text{ cm}$$

WARM-UP

- 1 Saoirse measures an autumn leaf she collected for her art lesson using a ruler. The tip of the leaf reaches **3 cm** and **6 mm** along the ruler from the zero mark. What is the length of the leaf in mm?
A ruler reading sits 3 cm and 6 mm from the start of the ruler. What is the reading in mm?
- 2 Oisín measures the length of a small sticker on his sponsored-cycle chart using a ruler. The end of the sticker sits at **8 cm** and **4 mm** from the start of the ruler. What is the length of the sticker in mm?
A ruler reading sits 8 cm and 4 mm from the start of the ruler. What is the reading in mm?

PRACTICE

- 1 While lining up at the door for yard, Cian measures the length of his new pencil against his ruler. The tip of the pencil reaches **7 cm** and **8 mm** from the start of the ruler. What is the reading in cm?
- 2 Tadhg is painting a banner for the Cumann na mBunscol GAA finals day. He measures the width of the green stripe along the bottom of the banner, and his ruler shows it stretches **12 cm** and **4 mm** from the edge. What is the reading in cm?

CHALLENGE

- 1 Tadhg is planning a row of marigolds in the school garden flowerbed. He measures the length he needs with a ruler, and the reading sits **28 cm** and **4 mm** from the start of the ruler. What is the reading in cm?
- 2 Oisín measures the length of his pencil case for the 5th class school-bag rota chart. The ruler reading sits at **14 cm** and **8 mm** from the start of the ruler. What is the reading in cm?

IRISH FACT The Spire of Dublin

The Spire on O'Connell Street is **120 metres tall** — but only **15 cm wide** at the very top, about as wide as a school ruler. It's one of the tallest sculptures in the world.

Dublin City Council

