Lesson 47

Reading scales — to the nearest mm

MODULE 4 · MEASURES — LENGTH, MASS, CAPACITY, AREA, VOLUME MEASURES

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 cm + 7 mm = 37 mm = 3.7 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

