

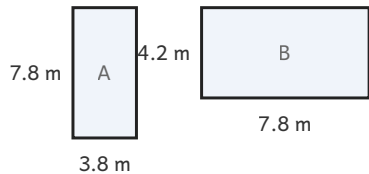
Big modelling project: how big is our school yard, really?

MODULE 11 · END-OF-PRIMARY MODELLING AND REVIEW REVIEW

HOW TO ANSWER TODAY

- **Estimate gap.** Subtract the smaller from the bigger to find how far off the estimate was.
Estimated 15 cm, real 12.5 cm → 2.5 cm off
- **L-shape area.** Split the L into two rectangles. Find each area. Add them.
- **Scale drawing.** Scale 1:N means 1 unit on the drawing = N units in real life. Multiply the drawing length by N.

★ STRETCH PROBLEMS

- On the school coach trip to the Burren, Aoife estimates the length of a limestone slab as **36.6 cm**. She then measures it carefully and finds it is **39.3 cm**. By how much is her estimate off?
- Saoirse helps paint a giant chess board on the school yard. The finished board covers **70000 cm²** of the tarmac. How many square metres is that, if **1 m² = 10,000 cm²**?
Convert 70000 cm² to m². (1 m² = 10,000 cm²)
- Saoirse is covering a large noticeboard for an art display in 6th class. The noticeboard has an area of **20000 cm²**. She knows that **1 m² = 10,000 cm²**. What is the area of the noticeboard in m²?
Convert 20000 cm² to m². (1 m² = 10,000 cm²)
- 6th class are designing an L-shaped reading corner on the school library floor. The corner is made from two rectangles of carpet tiles: one piece is **3.8 m** by **7.8 m**, and the other piece is **7.8 m** by **4.2 m**. What is the total floor area of the reading corner?

- Cian draws a scale plan of the school yard for his geography project at a scale of **1:500**. On his drawing, the long edge of the basketball court measures **5 cm**. What is the real length of that edge in metres?