Estimating then measuring — length

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

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

STRETCH PROBLEMS

1. Before Camogie training under the floodlights, Aoife estimates the length of a goalpost shadow as **146.5 cm**. She then measures it with a tape and gets **149 cm**. By how many centimetres is her estimate off?

2. Cian is building a den with branches in the school orchard. He estimates one long branch to be **187 cm**, then measures it with the metre stick and gets **198 cm**. By how much is his estimate off?

   > A pupil estimates a length as 187 cm, then measures it as 198 cm. By how much is the estimate off?

3. Tadhg is painting a banner for the GAA county finals day. He estimates the width of the painted stripe will be **103 cm**, but when he measures it after painting it is **87 cm**. By how much is his estimate off?

   > A pupil estimates a length as 103 cm, then measures it as 87 cm. By how much is the estimate off?