

Volume – counting unit cubes (a first look)

MODULE 5 · AREA, PERIMETER AND VOLUME MEASURES

HOW TO ANSWER TODAY

- **Volume.** Volume = length $\times$ width $\times$ height. Answer in cubic units (cm^3 , m^3).
 $5 \times 4 \times 3 = 60 \text{ cm}^3$
- **Estimate gap.** Subtract the smaller from the bigger to find how far off the estimate was.
 Estimated 15 cm, real 12.5 cm $\rightarrow$ 2.5 cm off

TRY IT ON THE LINE

Continue and describe each pattern.

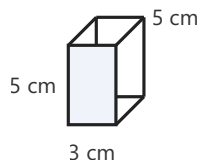
Patterns



1. Draw the next three shapes in the pattern.
2. Describe the rule of the pattern in words.
3. Make your own repeating pattern and swap to read a friend's.

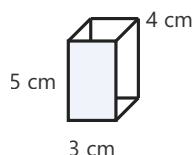
PRACTICE

1



Aoife is making a small clay paperweight for the GAA finals day raffle. The paperweight is a cuboid, **3 cm** long, **5 cm** wide and **5 cm** high. What is its volume?

2



Aoife makes a small craft block for her project by gluing centimetre cubes together. The block is **3 cm** long, **4 cm** wide and **5 cm** high. What is the volume of the block?