

## Practical activities to improve familiarity with measurement units and prefixes

### *Education in Chemistry*

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**Eight activities to help students become familiar with making measurements using different units and prefixes.**

1. Use a ruler to make measurements in cm and in mm.
2. Estimate the dimensions of a variety of everyday objects in mm, cm, dm and m.
3. Get a metre ruler and mark on the dm intervals. Use this to make measurements of everyday objects in cm, dm and m.
4. Print the net of a cube with sides 1 dm and get students to make a 1 dm<sup>3</sup> cube. Repeat with a cube with sides 1 cm. Ask students to estimate how many 1 cm<sup>3</sup> cubes would fit inside the 1 dm<sup>3</sup> cube.
5. Line up several 1 dm<sup>3</sup> cubes in a row. Ask students how many 1 cm<sup>3</sup> cubes would fit inside.
6. Measure a 1 l drink carton and calculate its capacity in dm<sup>3</sup>.
7. Measure the dimensions of a 10 ml measuring cylinder in dm and in cm and estimate its capacity in dm<sup>3</sup> and cm<sup>3</sup>.
8. Ask students to find an everyday object and calculate its volume and decide which would be the most appropriate unit to use.