# Practical activities to improve familiarity with measurement units and prefixes

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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 dm3 cube. Repeat with a cube with sides 1 cm. Ask students to estimate how many 1 cm3 cubes would fit inside the 1 dm3 cube.
5. Line up several 1 dm3 cubes in a row. Ask students how many 1 cm3 cubes would fit inside.
6. Measure a 1 l drink carton and calculate its capacity in dm3.
7. Measure the dimensions of a 10 ml measuring cylinder in dm and in cm and estimate its capacity in dm3 and cm3.
8. Ask students to find an everyday object and calculate its volume and decide which would be the most appropriate unit to use.