

# Converting units of measure

## Converting units of measure - Overview

This file randomly will convert a range of measures from one unit to another. Use in whole class teaching or to support children's independent work.

## Converting units of measure - How to use

The screenshot shows an Excel spreadsheet with the following elements:

- Conversion Options:** A row of buttons for unit conversions: kg → g, g → mg, l → ml, km → m, m → cm, m → mm, cm → mm.
- Input Fields:** Two columns of empty cells for entering numbers.
- FRACCTIONS Button:** A button labeled 'FRACCTIONS' with a tooltip: 'To enter a fraction into a cell or to see a decimal number in a cell as a fraction, select the cell then click this button.'
- RESET Button:** A red button labeled 'RESET'.
- Instructions:** A blue box says: 'Type a number into one column, then click on the highlighted cell to reveal the conversion.'

Surrounding text boxes provide instructions:

- Top Left:** First choose the measure you want to convert and what you are converting to.
- Middle Left:** Type a quantity of the unit to be converted. Work alone, in pairs or groups to discuss and record what the unit converted to another unit will be.
- Bottom Left:** This button will reset the excel sheet.
- Top Right:** Click on these cells to reveal the answer. Make sure you have recorded your answer first.
- Middle Right:** Use this button to convert to a decimal.

## Converting units of measure - Key questions and prompts

- What is 325 kg in g?
- What is 325g in kg? How do you know?
- How will you convert km to m?
- How will you convert g to mg? What will you use to do the calculation?
- How can we check our conversion of m to mm before we reveal the answer on the excel spreadsheet?
- Try converting between different measures and back the other way. E.g. m to cm and cm back to m