

Can I recognise equivalent lengths (mm & cm)? (Y3)

### Reasoning and problem solving

This page does not need to be printed. In your book, write the short date you do the work and the above question, underlining them neatly with a ruler.

- 1) Rosie is measuring a sunflower using a 30 cm ruler.

Rosie says,



The sunflower is 150 cm tall.

Rosie is incorrect.

Explain what mistake she might have made.

How tall is the sunflower?

- 2) Ron is thinking of a measurement.  
Use his clues to work out which measurement he is thinking of.



- In mm, my measurement is a multiple of 2
- It has 8 cm and some mm
- It's less than 85 mm
- In mm, the digit sum is 12

Answers are on the next page.

# Equivalent Lengths – mm & cm

## Reasoning and Problem Solving

Rosie is measuring a sunflower using a 30 cm ruler.

Rosie says,



The sunflower is 150 cm tall.

Rosie is incorrect.

Explain what mistake she might have made.

How tall is the sunflower?

Rosie is incorrect.  
She has used the wrong unit on the ruler.

The sunflower is 15 cm tall or 150 mm tall.

Ron is thinking of a measurement.  
Use his clues to work out which measurement he is thinking of.



- In mm, my measurement is a multiple of 2
- It has 8 cm and some mm
- It's less than 85 mm
- In mm, the digit sum is 12

Ron is thinking of 84 mm (8 cm and 4 mm)