

# Converting mm to cm

## Sheet 1

Measure nine of the colouring pencils in your pencil case or on your table and record their lengths in mm.

Pencil colour	Length in mm	Length in cm and mm

Now look at your data and answer the questions below. Start with the bronze questions. See how far you can get through the silver and gold questions.

### Bronze

Can you convert the lengths of the pencils from mm into cm and mm?

Can you order the pencils by length from shortest to tallest?

Which pencil is in the middle when the pencils are in length order?

### Silver

What is the difference between the longest and shortest pencil?

What is the difference between the blue and red pencil?

What is the difference between the green and yellow pencil?

### Gold

How many pairs of pencils can you find with a difference in length that is greater than 6 mm?

How many pairs of pencils can you find with a difference in length that is less than 10 mm?

### Challenge

Compare your results with other tables – are there any colours in particular that are always at the shorter end? If there are, can you suggest why this might be?