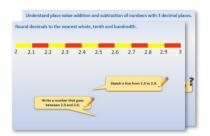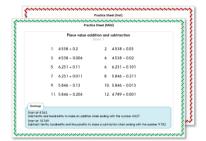# Year 2: Week 4, Day 4
Measure using decimetres

Each day covers one maths topic. It should take you about 1 hour or just a little more.
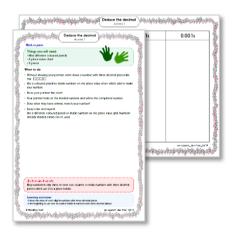
1. Start by reading through the **Learning Reminders**.
    They come from our *PowerPoint* slides.

2. Tackle the questions on the **Practice Sheet**.
    There might be a choice of either Mild (easier) or
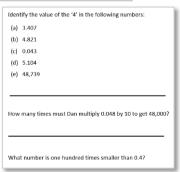   Hot (harder)!
    Check the answers.

3. Finding it tricky? That's OK… have a go with a
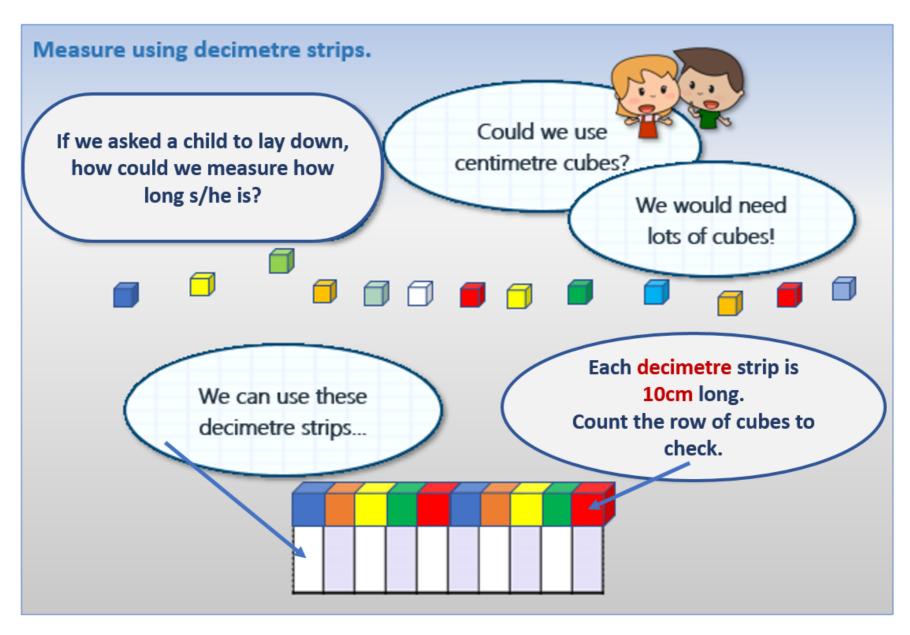   grown-up at **A Bit Stuck?**

4. Have I mastered the topic? A few questions to
    Check your understanding.
    Fold the page to hide the answers!

Learning Reminders

Practice Sheet Mild
Measures practice

Use your decimetre strip to measure these straight lines in your home:

Decimetre strip

the long side of a table ☐ decimetres

the short side of a table ☐ decimetres

the height of the tallest book on the shelf ☐ decimetres

the width of a window ☐ decimetres

the height of a door ☐ decimetres

the diagonal of a computer screen ☐ decimetres

the length of this pencil ☐ decimetres

Length

Measuring lines that aren't straight is tricky!
Here's how you can do it...
1. Lay damp string carefully along the squiggle.
2. Cut it to length so it is the same as the squiggle.
3. Lift it off and lay it straight against the decimetre strip.
Write the length of each squiggle.

decimetres

decimetres

decimetres

Decimetre strip

Challenge

Create a squiggle drawing of your own. Measure it accurately using the damp string. How many decimetres long is it? Can you draw a squiggle that you estimate to be 5dm long? Now measure it to check...

Practice Sheet Answers

Measures practice (Mild)

Pencil = 1½ dm

Length (Hot)

Green squiggle – 2 dm
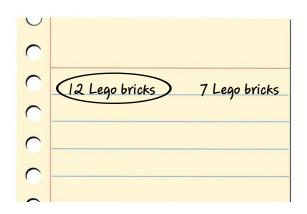Pink squiggle – 1 dm
Orange squiggle – 1½ dm

Work in pairs

Things you will need:
• Teddies
• Lego bricks
• A pencil

What to do:

• Take two teddies.
  Which do you think has longer legs?
  Which do you think has shorter legs?

• Use Lego bricks to measure the teddies' legs.

• Write the two numbers of Lego bricks.
  Ring the bigger number.

• Put the teddies back.
  Take two different teddies.
  Measure their legs using Lego bricks.
  Write down the two numbers.
  Ring the bigger number.

• Repeat with another pair of teddies.

12 Lego bricks   7 Lego bricks

S-t-r-e-t-c-h:
Write all the leg lengths in order, from shortest to longest.
Did the tallest teddy have the longest legs?
Did the shortest teddy have the shortest legs?

Learning outcomes:
• I can compare heights and lengths.
• I can measure heights and lengths using Lego bricks.
• I can use words like shorter, taller and longer.
• I am beginning to compare more than two heights or lengths.

Check your understanding:
Questions

Draw a non-straight line you estimate at about 40cm in length. Lay a piece of damp string along it. Straighten the string. How many decimetres long is it?

Estimate how long each of these creatures is in cm, nose to tip of tail.

- a mouse
- a worm
- a gold fish in a bowl

Discuss how you can check your estimates (without harming the goldfish!). Access the internet to find out…

Measure a matchstick in cm.

How long would ten of these matches be if they are laid end to end?

How many decimetres is this?

Fold here to hide answers:

Check your understanding:
Answers

Draw a non-straight line you estimate at about 40cm in length. Lay a piece of damp string along it. Straighten the string. How many decimetres long is it?   ~4 decimetres (since 10cm = 1dm).

Estimate how long each of these creatures is in cm, nose to tip of tail.

- a mouse around 8 to 10cm, some species longer.
- a worm can be up to 36cm!
- a gold fish in a bowl around 10cm

Measure a matchstick in cm.   They vary, with smaller ones around 4cm (to nearest cm).

How long would ten of these matches be if they are laid end to end? ~40cm.

How many decimetres is this? ~4dm.