Please make sure that you print this resource at 100% so that all measurements are correct.
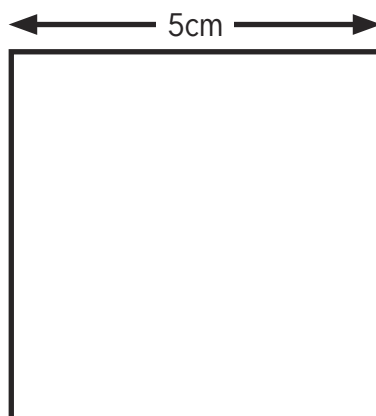## To do this, follow the relevant steps below.

Adobe Reader or Adobe Acrobat

• Adobe Reader is a free PDF viewer, from Adobe. To install a copy of Adobe Reader, go to https://get.adobe.com/uk/reader/.

• Once Adobe Reader is installed, open your PDF.

• Go to File>Print.

• Under 'Page Sizing & Handling', select 'Size'.

• From here, make sure that 'Actual Size' is selected.

• Print this page as a test, making sure that the shape below is the correct size once printed.

• If the test print is correct, print your PDF.

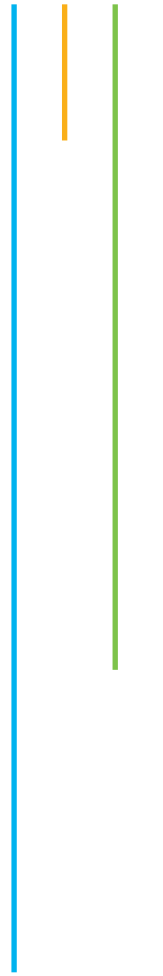**Foxit Reader**

• Go to File>Print.

5cm

1) Use a sharp pencil and a ruler that measures in centimetres and millimetres. Draw lines with these exact measurements.

a) 12cm

b) 4cm and 5mm

c) 79mm

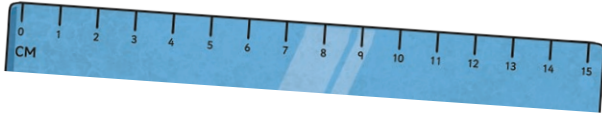**d)** 10.5cm

2) Accurately measure these lines. Then round each measurement to the nearest centimetre.

a   b   c   d

a) _____cm _____mm

b) _____cm _____mm

c) _____cm _____mm

d) _____cm _____mm

1) Look at the picture of Maurice measuring this line.

_____

What advice would you give Maurice to help him improve his drawing accuracy?

_____

_____

_____

2) Emily's teacher asks her to draw a line that is exactly 10cm long. Her drawing is marked as wrong, but the teacher has added this comment: 'If I round my measurement to the nearest centimetre, you would be correct.' Draw the different possibilities for the line that Emily drew.

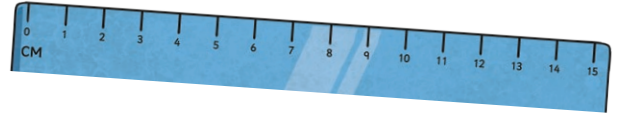**1)** Look at the picture of Maurice measuring this line.

_____

What advice would you give Maurice to help him improve his drawing accuracy?

_____

_____

_____

2) Emily's teacher asks her to draw a line that is exactly 10cm long. Her drawing is marked as wrong, but the teacher has added this comment: 'If I round my measurement to the nearest centimetre, you would be correct.' Draw the different possibilities for the line that Emily drew.

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1) Work with a partner. Draw 3 lines:

   a) shorter than 5cm

   b) between 5cm and 10cm

   c) longer than 10cm

Give your lines to your partner to estimate. Then measure to see how close their estimates were.

2) Draw a picture of a house using straight lines that have a total length of one metre.

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