

Draw Accurately

Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



Diving



Deeper



Deepest

These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.

Aim

- Draw 2D shapes and make 3D shapes using modelling materials;
Recognise 3D shapes in different orientations and describe them.

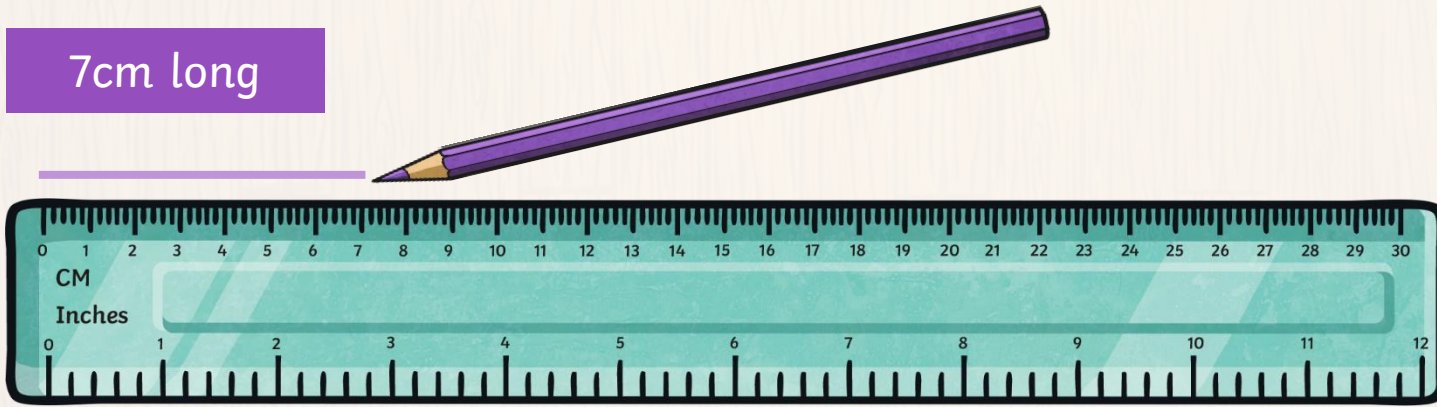
Draw Accurately

Diving

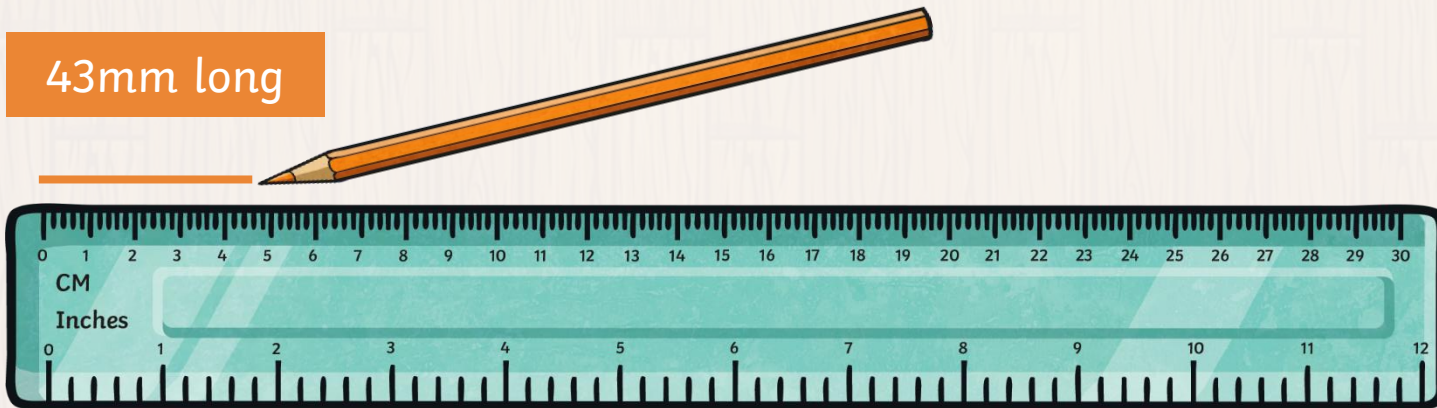


Use a ruler to draw a line which is:

7cm long



43mm long



Draw Accurately

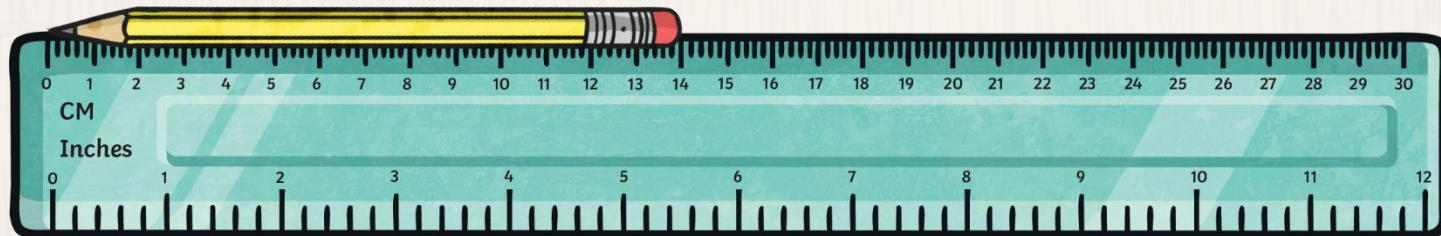
Diving



Use a ruler to accurately measure your pencil **to the nearest cm**.

Check your partner's measuring to see if you agree.

Remember to line up the end of your pencil with 0cm on the ruler.





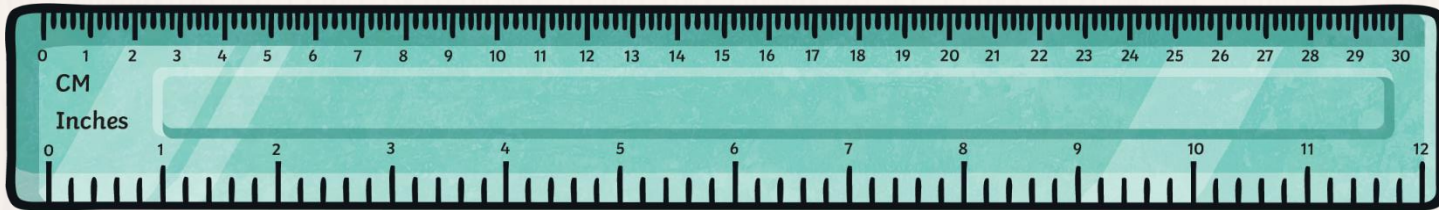
Aleesha and Kieran measure the same line.

What has each done wrong?



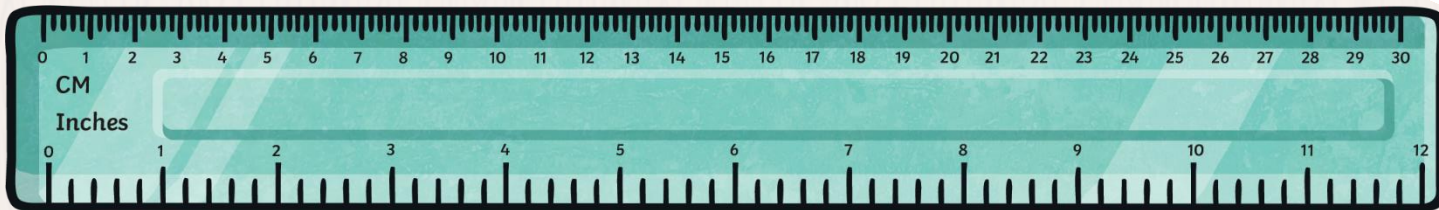
Aleesha

“The line is 22cm long.”



Kieran

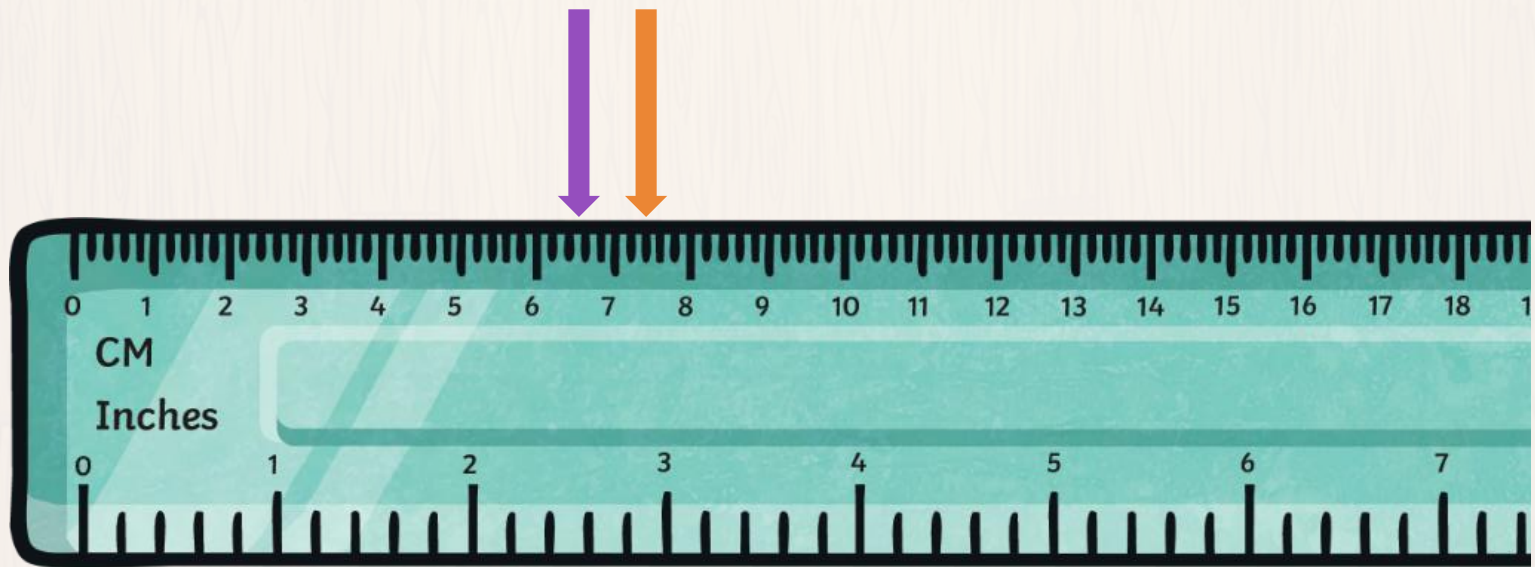
“The line is 6.7cm long.”





What size lines could be rounded to 7cm as the nearest cm?

Any line between 6.5cm (65mm) and 7.4cm (74mm)



Draw Accurately

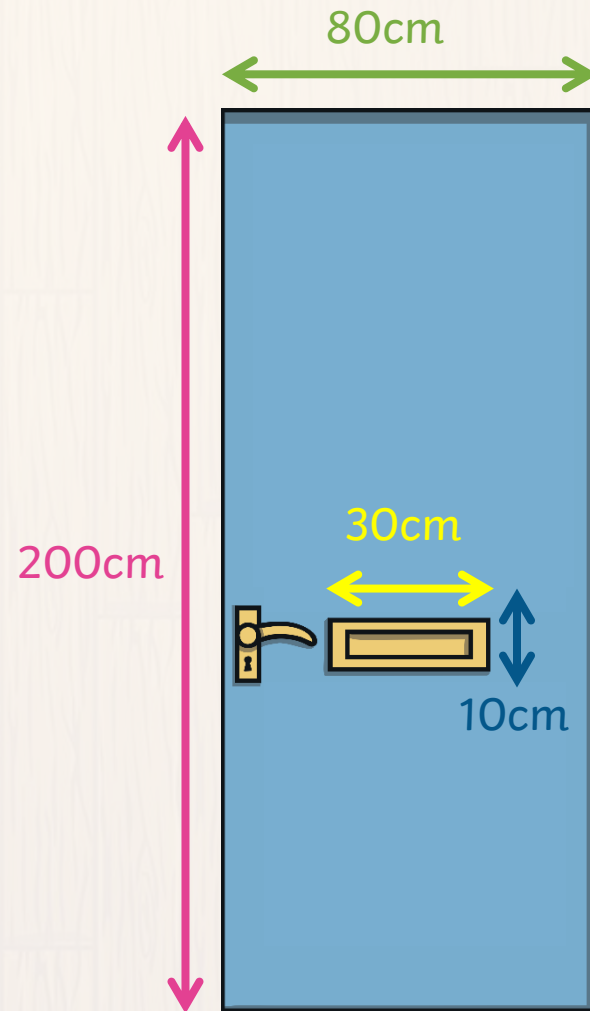
Deepest



This door is drawn using straight lines.

What do the lines equal when added together?

640cm or 6.4m





Draw a line longer than 7cm.
Compare it to the people around you.

Have you all drawn the same length line?

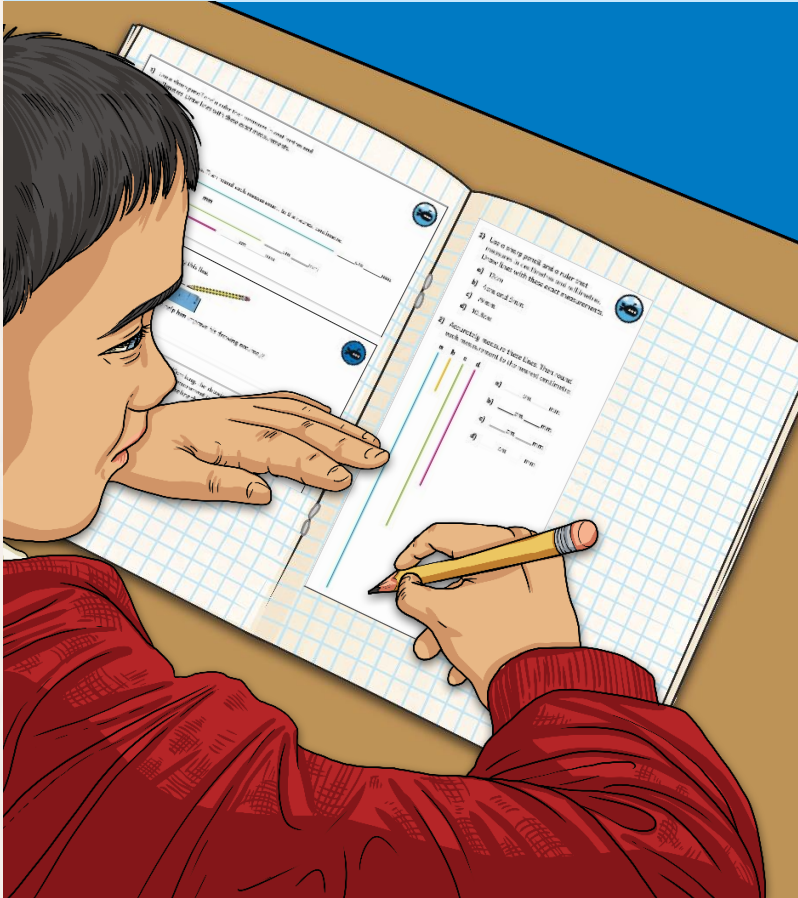


Now draw a
line between 8cm
and 10cm long.

Have you all drawn the
same length line?

Draw Accurately

Dive in by completing your own activity!



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.

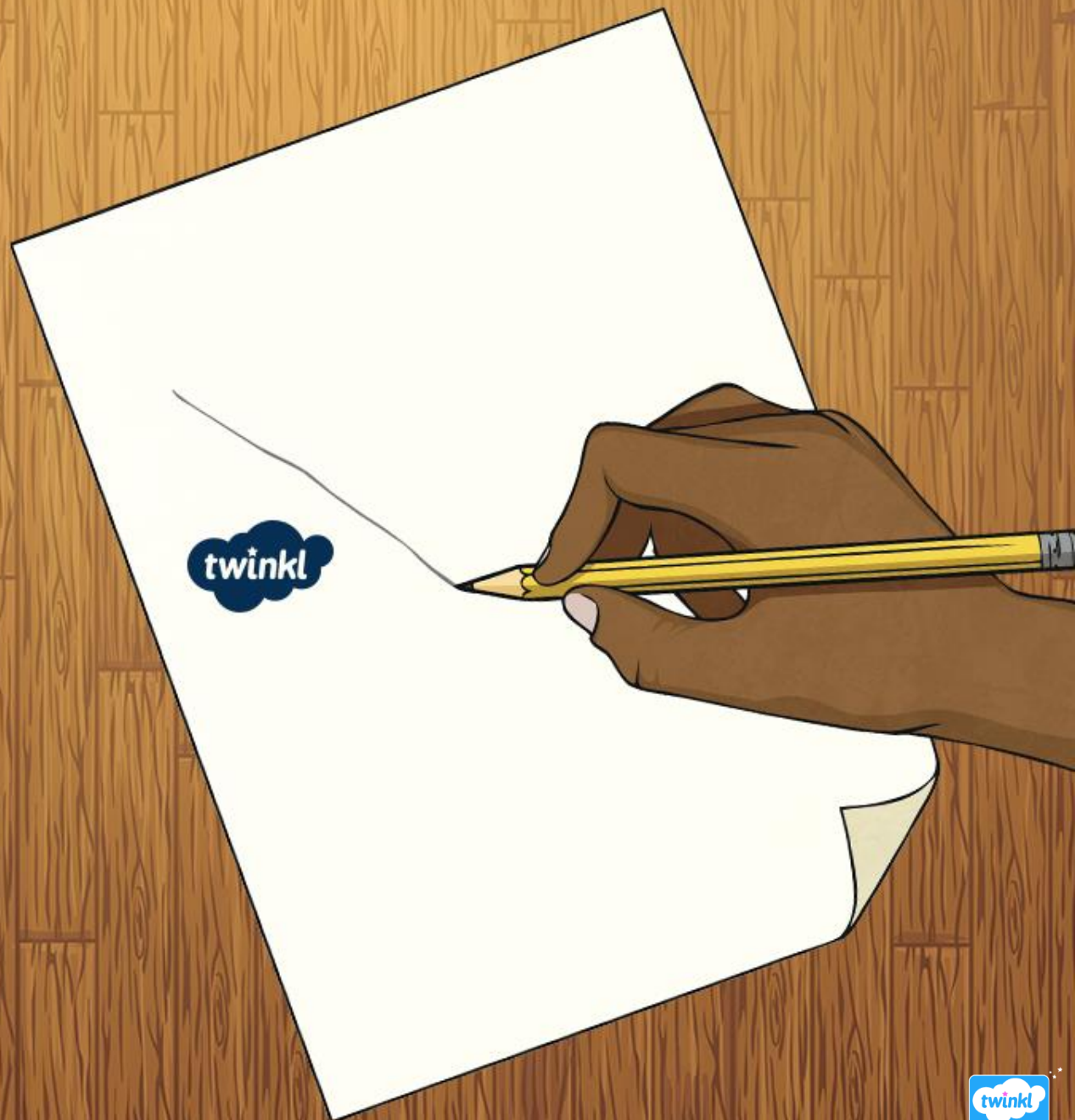
- a) _____ cm _____ mm
- b) _____ cm _____ mm
- c) _____ cm _____ mm
- d) _____ cm _____ mm

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.



twinkl