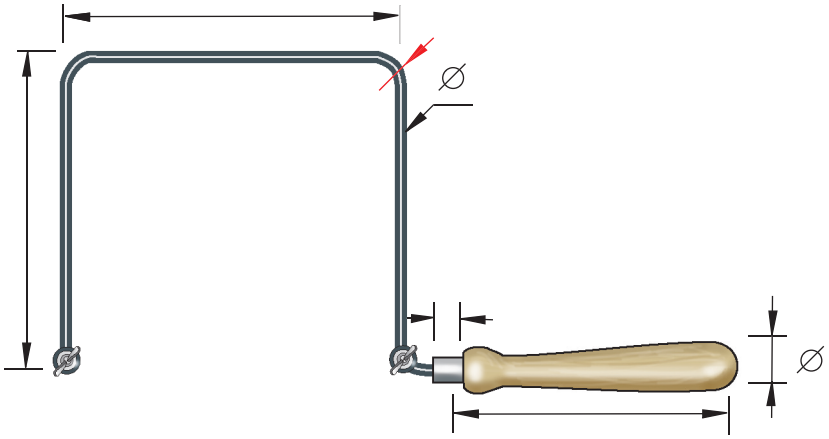
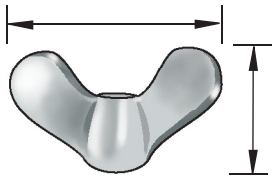
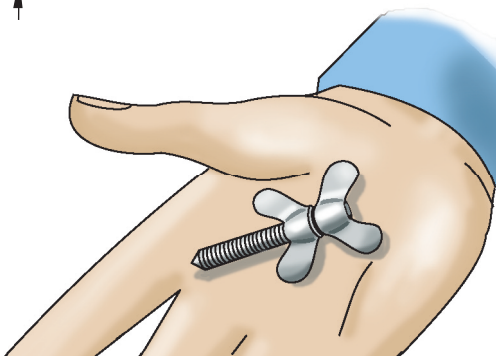
Measuring with a ruler







Height of the arc of the saw	_____ cm	_____ mm
Width of the arc	_____ cm	_____ mm
Radius of the interior curvature of the arc	_____ cm	_____ mm
Length of the handle	_____ cm	_____ mm
Diameter of the handle	_____ mm	_____ cm
Diameter of the tube of the arc	_____ cm	_____ mm
Length of the metal part of the handle	_____ cm	_____ mm
Height of the wingnut	_____ cm	_____ mm
Width of the wingnut	_____ cm	_____ mm

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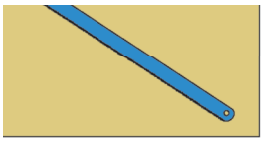
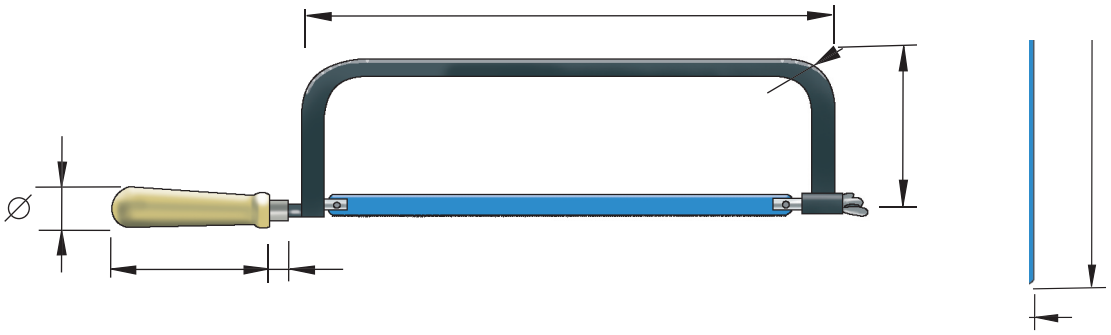
Measuring with a ruler





Height of the arc of the saw	_____ cm	_____ mm
Width of the arc	_____ cm	_____ mm
Radius of the interior curvature of the arc	_____ cm	_____ mm
Length of the handle	_____ cm	_____ mm
Diameter of the handle	_____ cm	_____ mm
Length of the metal part of the handle	_____ cm	_____ mm
Length of the saw blade	_____ cm	_____ mm
Width of the saw blade	_____ cm	_____ mm
Diameter of the hole in the saw blade	_____ cm	_____ mm

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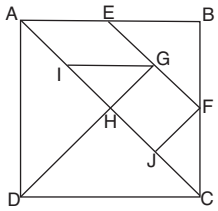
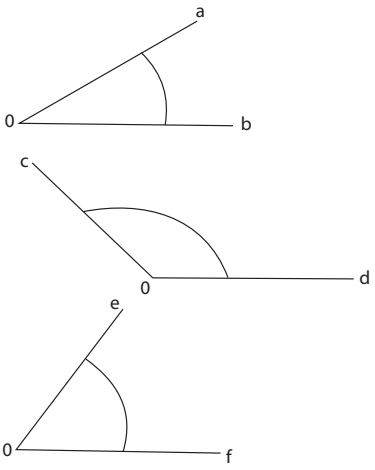
Segments and angles



Draw the following segments:
AB = 2 cm; *CD* = 4 cm; *EF* = 6 cm; *GH* = 8 cm

Represent the following operations with segments:
AB + *CD*; *AB* + *EF*; *GH* – *AB*; *GH* – *EF*

Using your protractor, measure the angles shown.



Using your protractor, draw the following angles.
23°, 35°, 46°, 157°.

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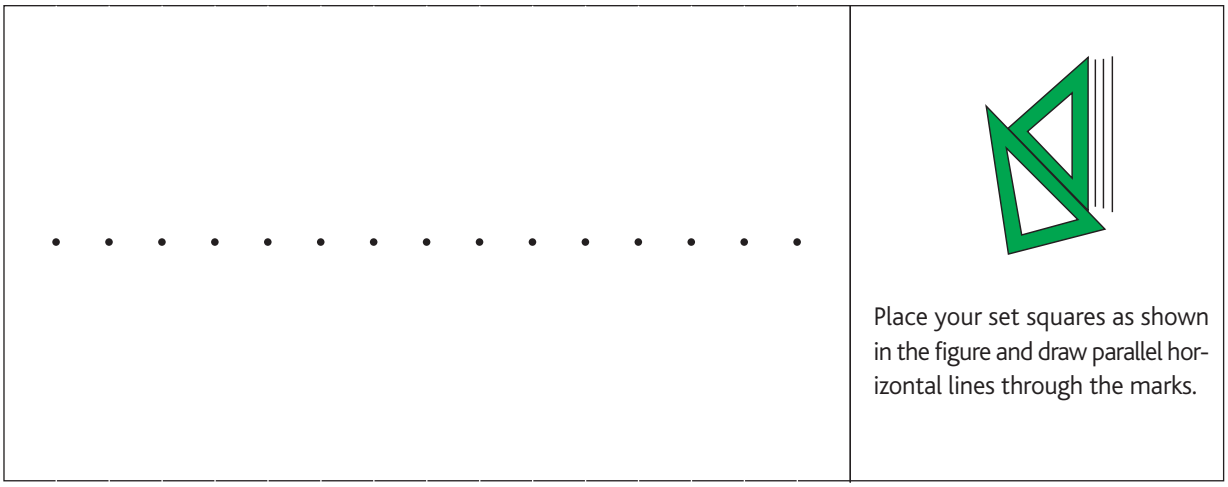
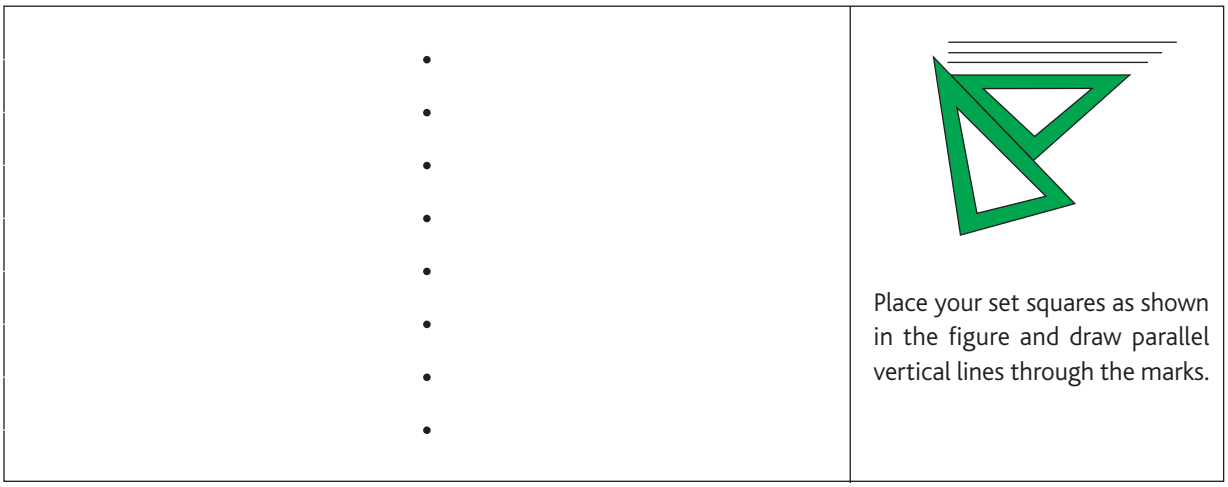
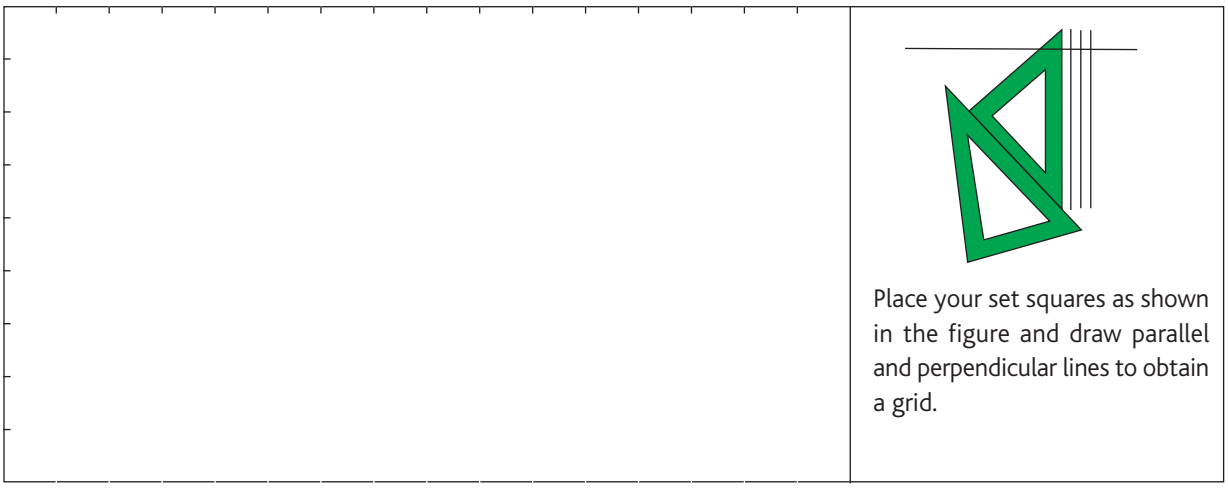
Horizontal and vertical ruling



Place your set squares as shown in the figure and draw parallel horizontal lines through the marks.



Place your set squares as shown in the figure and draw parallel vertical lines through the marks.



Place your set squares as shown in the figure and draw parallel and perpendicular lines to obtain a grid.

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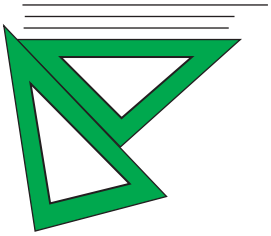
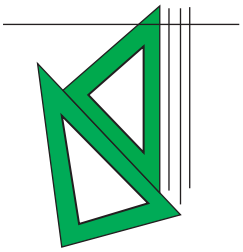
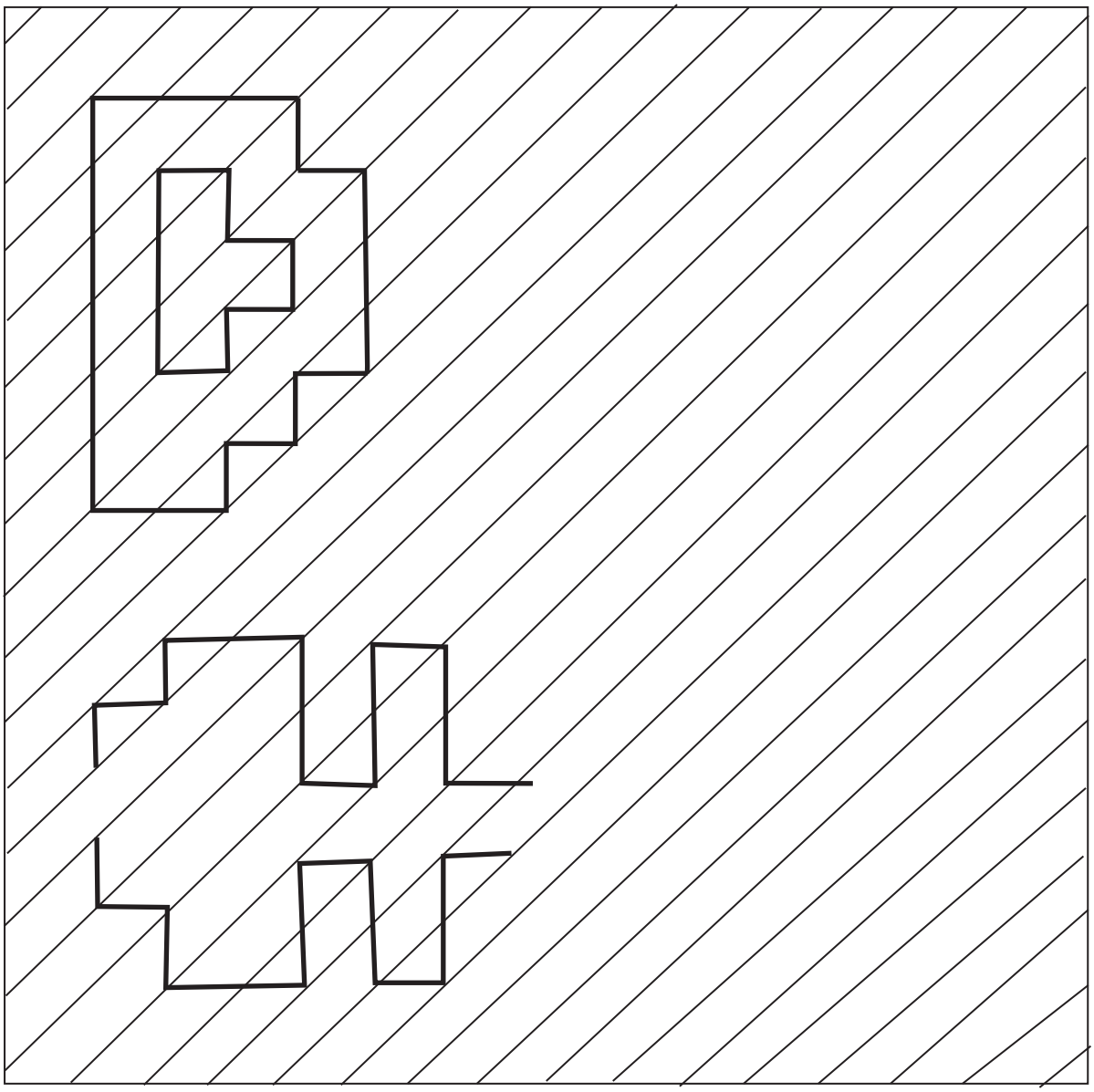
Drawing parallel and perpendicular lines





Using your set squares, draw the figures below based on vertical and horizontal parallel lines.



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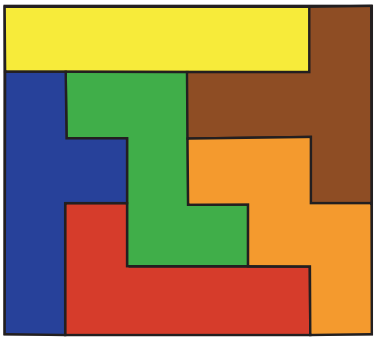
Puzzles

Draw the following puzzles in the boxes below. To do this:

1. Using your set squares, draw vertical and horizontal parallel lines 15 mm apart to form the base grid.
2. Draw the outline of the six pieces on your grid, also using your set squares.
3. Colour in and cut out the pieces.
4. Now mix them together and, without looking at the solution, try to assemble the puzzles.

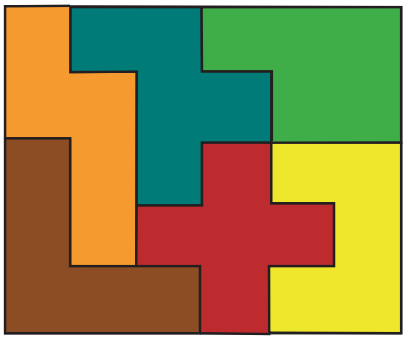
90 mm

75 mm



90 mm

75 mm



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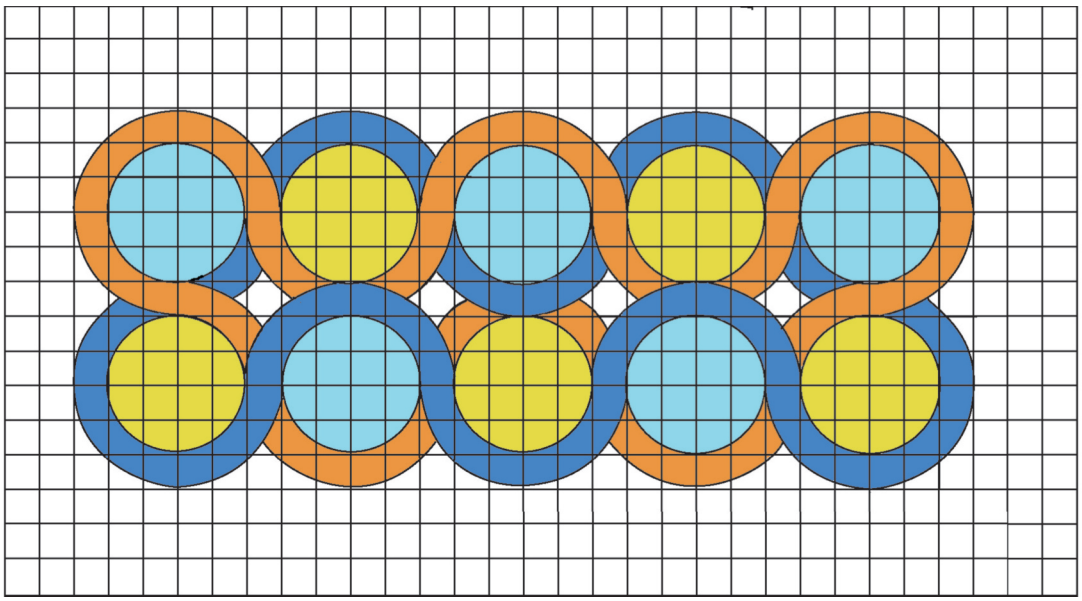
Borders

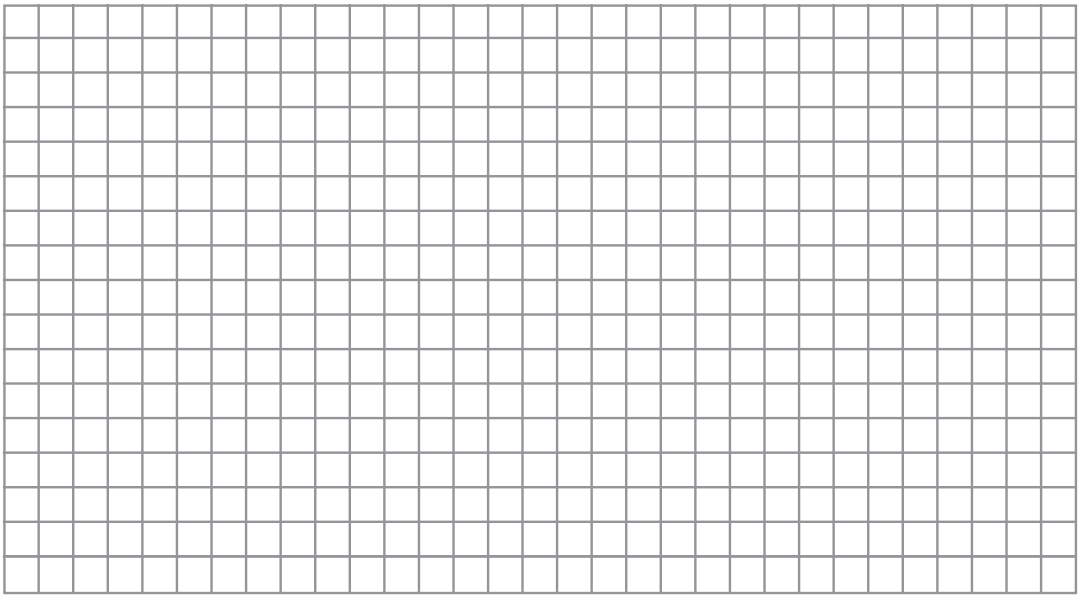
Look at the border shown below and copy it in the grid. To do this:

1. Using your compass, draw the circles and the circular arcs choosing the correct centre points.

2. Erase the parts of the circle that you do not need and trace with your compass.

3. Lastly, colour in the different areas.





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