



3-D shapes

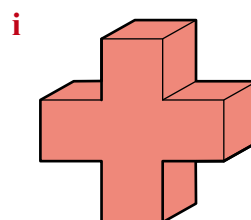
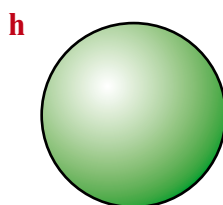
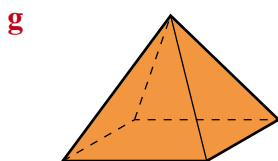
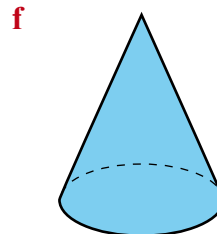
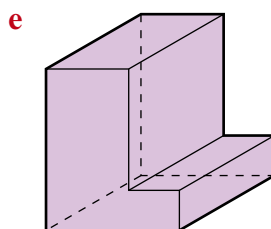
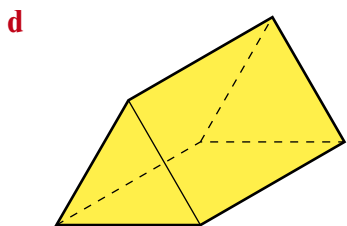
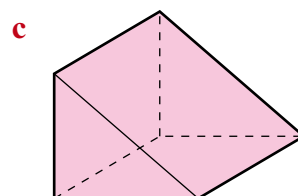
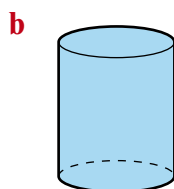
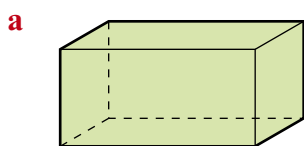
- Drawing plans and elevations of more complex 3-D shapes
- Drawing isometric views of shapes using plans and elevations

Keywords

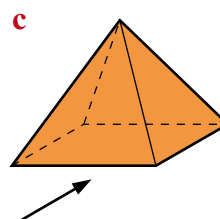
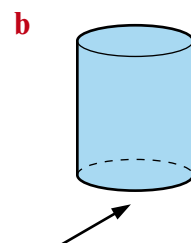
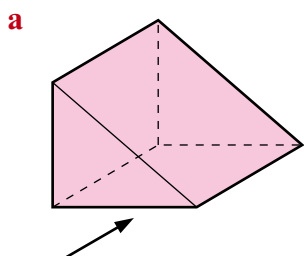
You should know

explanation 1

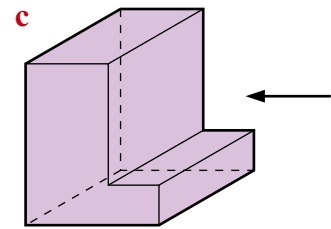
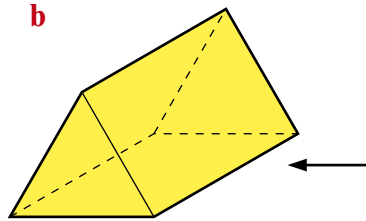
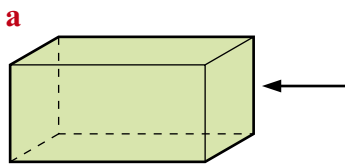
1 Sketch the plan of each of the following solid shapes.



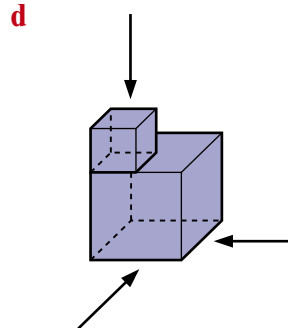
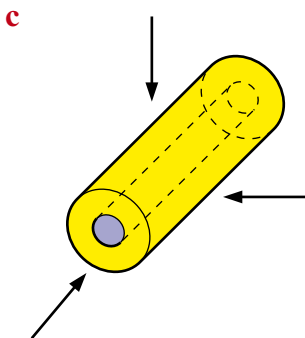
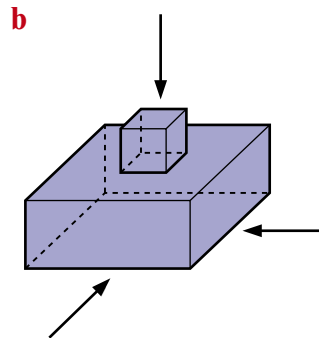
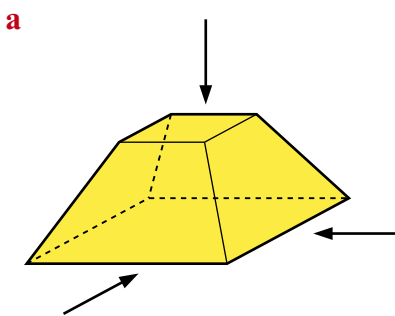
2 The arrows indicate the front elevation of each solid shape. Draw the front elevation of each shape.



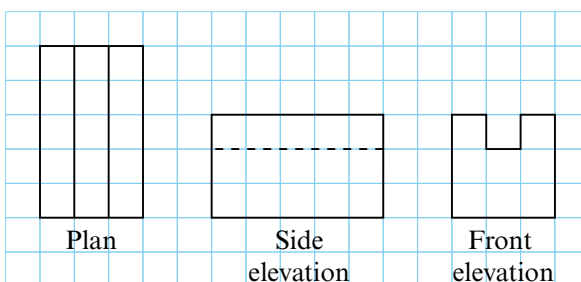
- 3** The arrows indicate a side elevation of each solid shape. Draw this side elevation of each shape.



- 4** Sketch the plan, front and side elevations of each shape.

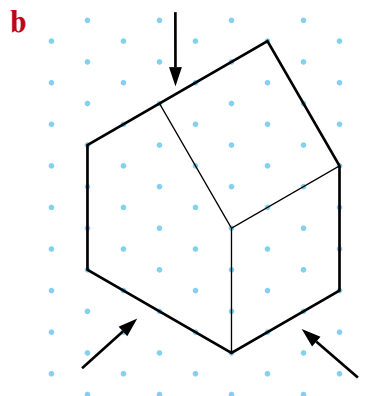
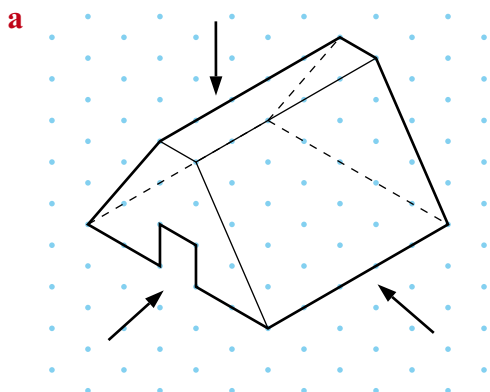


- 5** The plan, front and side elevations of a prism are shown. Sketch the prism on isometric paper.

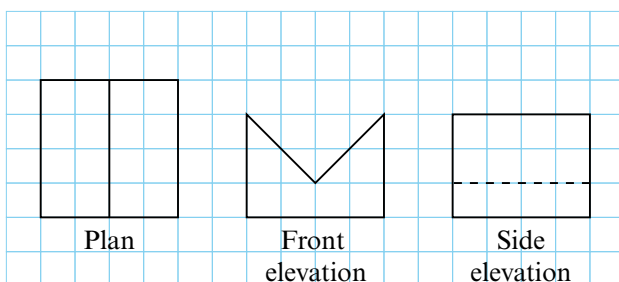


explanation 2

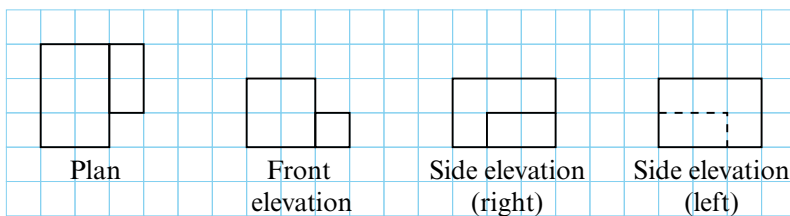
- 6** On centimetre squared paper, draw the accurate plan, front and side elevations for each prism.



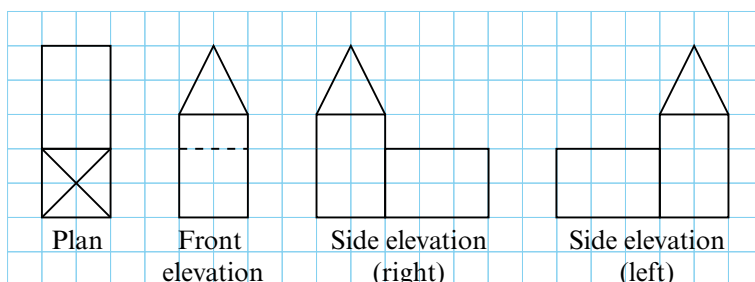
- 7** Here are the plan, front and side elevations of a prism. Draw the prism on isometric paper.



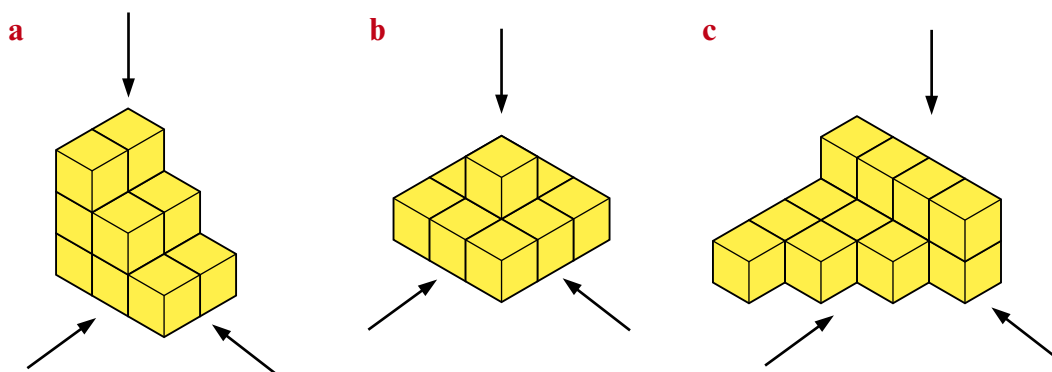
- 8** Here are the plan, front and side elevations of a solid. Draw the solid on isometric paper.



- 9** Here are the plan, front and side elevations of a solid.
Draw the solid on isometric paper.



- 10** The following solids are all made from centimetre cubes.
Draw an accurate plan, front and side elevation for each solid.



- 11** Each of these shows the plan of some shapes. In each case, draw two possible solids that would fit the plan.



- 12** Work with a partner. You will need some interlocking cubes.

- Make a solid using some interlocking cubes.
- Draw the plan and front elevation of your solid.
- Ask your partner to draw or describe two possible shapes that your solid could be.
- Draw the side elevations for your solid.
- Ask your partner to draw or describe your solid.