2 Three-dimensional objects drawn in orthographic projection with instruments

In **ACTIVITY 1** and **ACTIVITY 2**, you practised the following skills:

- how to mount paper on a drawing board
- how to handle a pencil correctly
- how to draw lines at different angles with the aid of drawing instruments
- how to plan the layout of the paper.

You should by now have enough confidence to make formal drawings of various views, isometric drawings and orthographic projections.

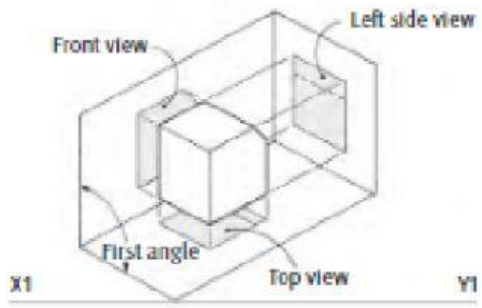


FIGURE 14 A first angle orthographic projection

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Activity 3 Views

Use your own measurements or you can use the measurements given below:

- length: 60 mm
- width: 20 mm
- height: 40 mm.

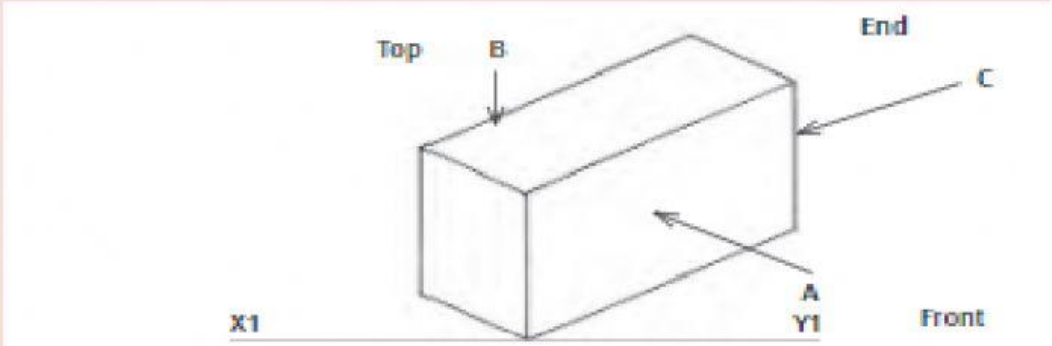


FIGURE 15 Guidelines for your first angle orthographic projection drawings

Use your drawing instruments to draw the following views:

1 the front view as seen from direction A.
2 plan or top view, as seen from direction B.
3 the right side view as seen from direction C.

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Submit your drawing to the platform after using the online geometry drawing board.

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