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.

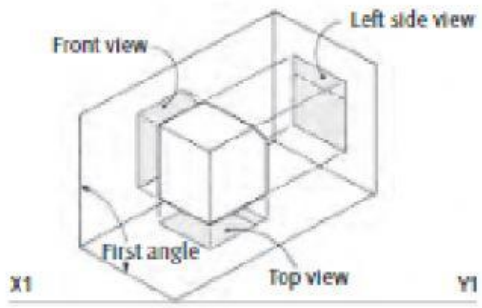


FIGURE 14 A first angle orthographic projection

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Activity 4 Isometric drawing

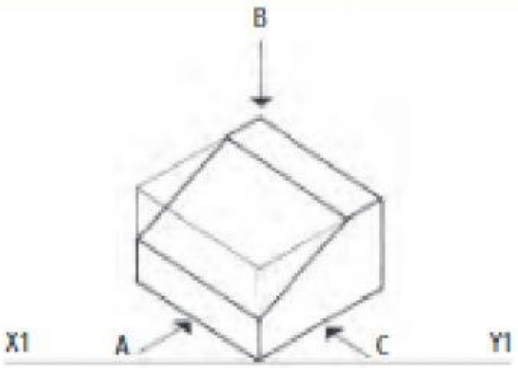


FIGURE 16 Draw different views of this block.

All the arrows are pointing at 90° angles at the different sides of the blocks. Follow the directions of the arrows and use your drawing instruments to draw the following views of the block in **FIGURE 16**:

1. the front view as seen from direction A.
2. plan or top view, as seen from direction B.
3. the side view. Draw it next to the left of the front view and 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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