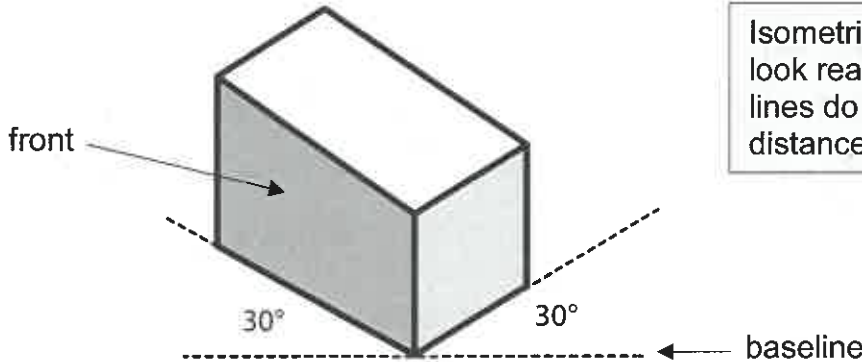


- isometric drawing**
- a representation of a 3-D object where the same scale is used to draw the object height, width, and depth
  - vertical lines are drawn vertically
  - horizontal lines are drawn at a 30° angle to the baseline



Isometric drawings do not quite look realistic because parallel lines do not converge in the distance as they do in real life!

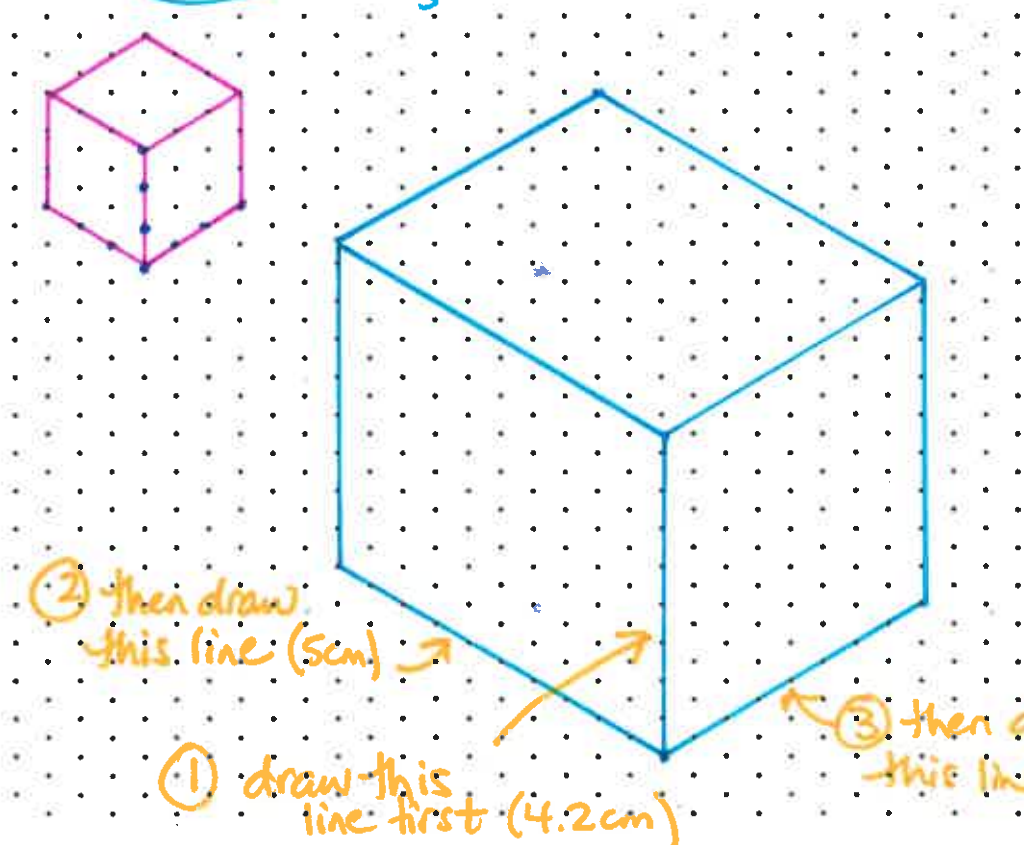
**Examples**

1. Draw a cube with sides that are 3 units long.
2. Using a scale of 1:5, draw a rectangular prism that is 25 cm long, 20 cm wide, and 21 cm high.

$25 \text{ cm} \times \frac{1}{5} = 5 \text{ cm}$

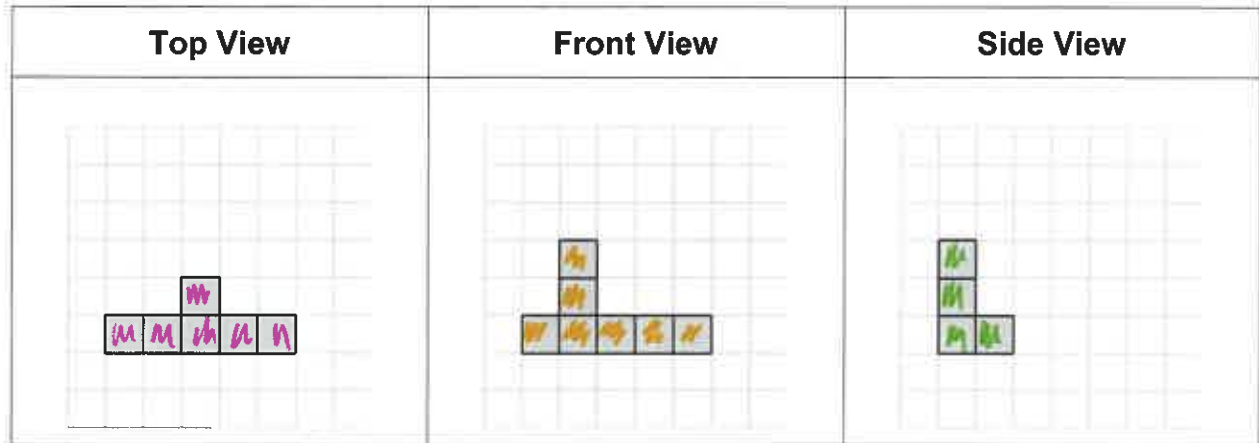
$21 \text{ cm} \times \frac{1}{5} = 4.2 \text{ cm}$

$20 \text{ cm} \times \frac{1}{5} = 4 \text{ cm}$



## Example

Use isometric dot paper to draw the following arrangement of blocks. Use a scale of 1: 1 (one unit on isometric dot paper = one unit on grid).



\* start with front

