EGD Grade 10

Different scales of drawings

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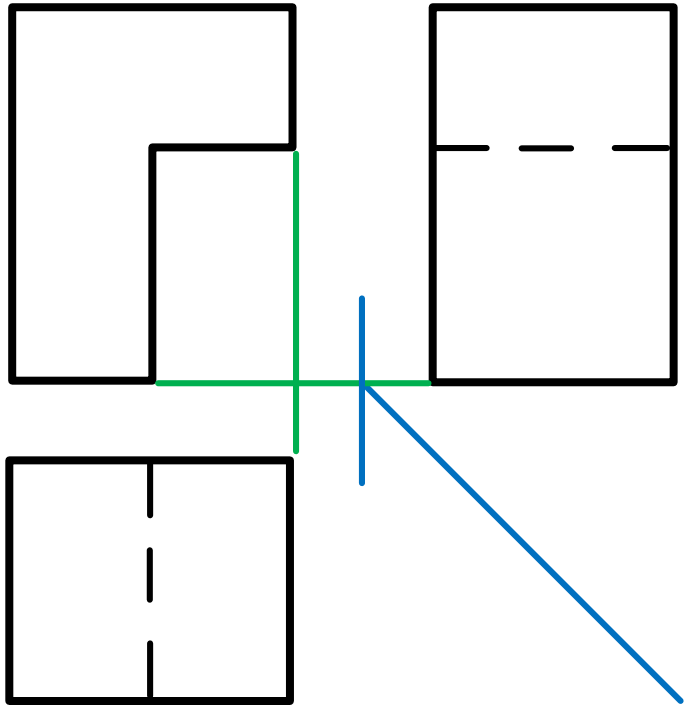
Scales

- In some cases, when drawing an object, it might either be too small or too big to draw on a suitable paper.
- You then need to rather enlarge or reduce the size of the object.
- This is also known as scaling a drawing.
- Scaling should appear to a specific ratio.

Scales

- A ratio of…
  - **1:1** means the drawing has to be drawn/are drawn exactly the **same** size as it is.
  - **2:1** means the drawing has to be drawn/are drawn two times **larger** that what it real size is.
  - **1:2** means the drawing has to be drawn/are drawn two times **smaller** that what it real size is.

Scales



Scale 2:1

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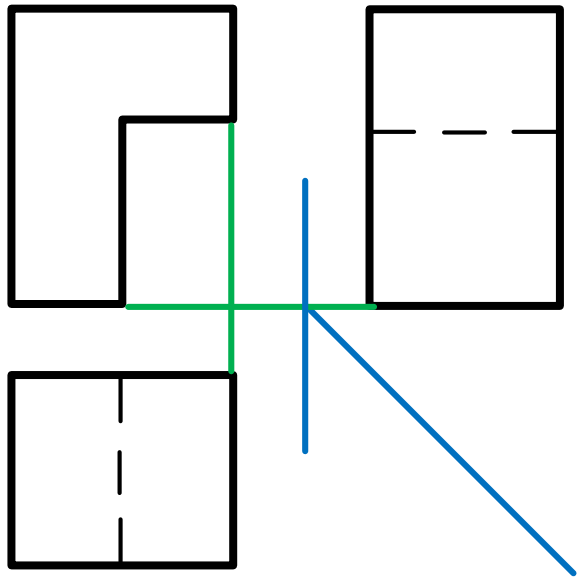

Scale 1:1

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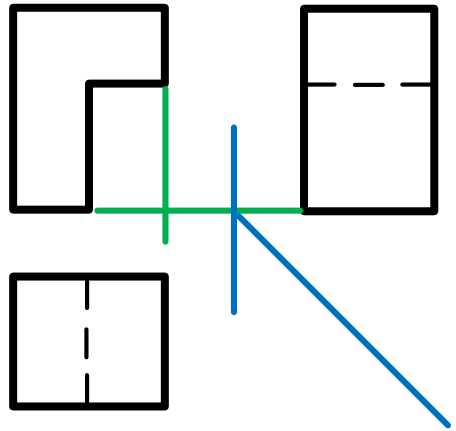

Scale 1:2

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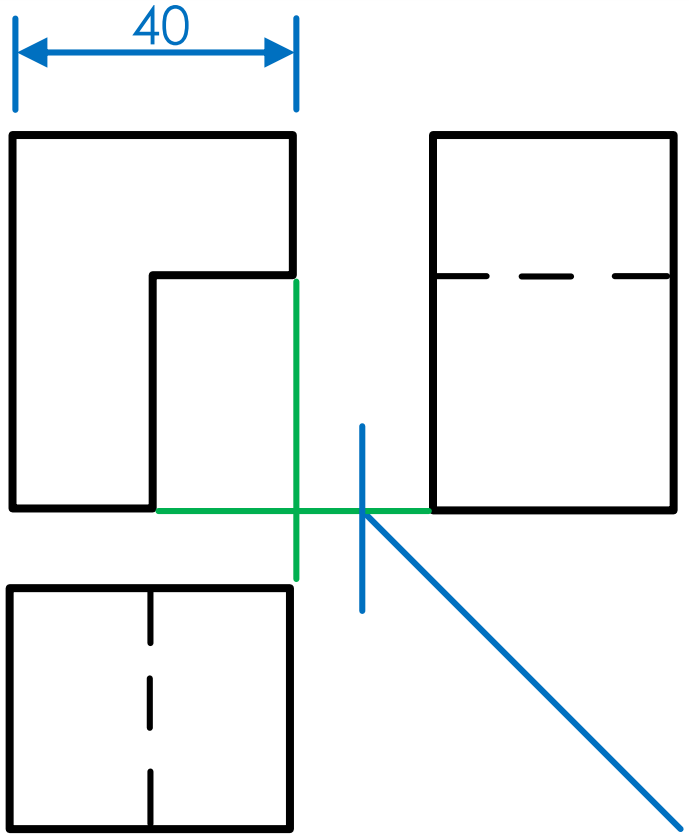
Scales

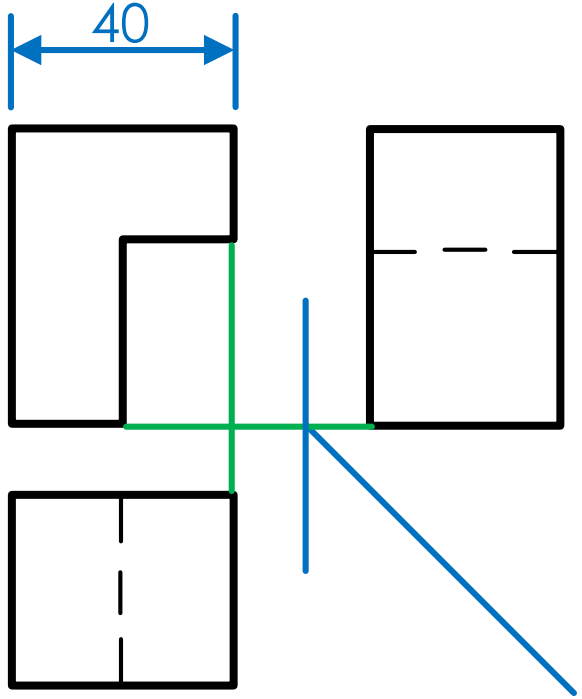
- With a scale of 1:2 means is that all sizes on the drawing should be divided by 2.
- With a scale of 2:1 means is that all sizes on the drawing should be multiplied by 2.

Scales

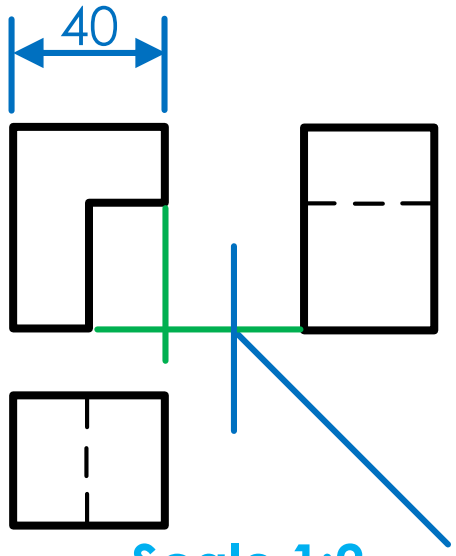
- When working with scales, **ALL** dimensions of the drawing should be annotated as if full scale.



Scale 2:1



Scale 1:1



Scale 1:2

Scales

- The ratio normally used is…

1:1, 1:2, 1:5, 1:10, 1:20, 1:50, 1:100, etc.

or

1:1, 2:1, 5:1, 10:1, 20:1, 5:1, 100:1, etc.