

Foundation Separate version — Higher Tier (★) questions removed.

**Q1. Write the formula for calculating magnification.**

[1 mark]

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**Q2. A cell is 0.04 mm actual size. Its image is 24 mm long. Calculate the magnification.**

[2 marks]

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**Total: 3 marks**

## Q1 (1 mark)

*Write the formula for calculating magnification.*

- Magnification = Image size  $\div$  Actual size [1]

## Q2 (2 marks)

*A cell is 0.04 mm actual size. Its image is 24 mm long. Calculate the magnification.*

- Magnification =  $24 \div 0.04$  [1]
- =  $\times 600$  [1]