

1)



$$1\,000\,000\text{g} = 1000\text{kg} = 1\text{ tonne}$$

Hamza and Megan have ordered the masses incorrectly on the diagrams below. Explain why you think they chose to order the masses in that way.

**Hamza**

1 000 000g                      1000kg                      1 tonne  
 Lightest mass    Heaviest mass

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**Megan**

1 tonne                      1000kg                      1 000 000g  
 Lightest mass    Heaviest mass

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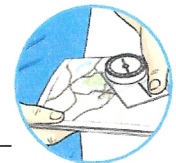
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2) Are these statements always, sometimes or never true? Prove it!

a) A distance measured in kilometres is longer than a distance measured in metres.

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b) An empty bottle has a capacity of 1l. The same bottle, when half full, has a volume of 1l.

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c) The mass of a mouse will be shown in grams.

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