

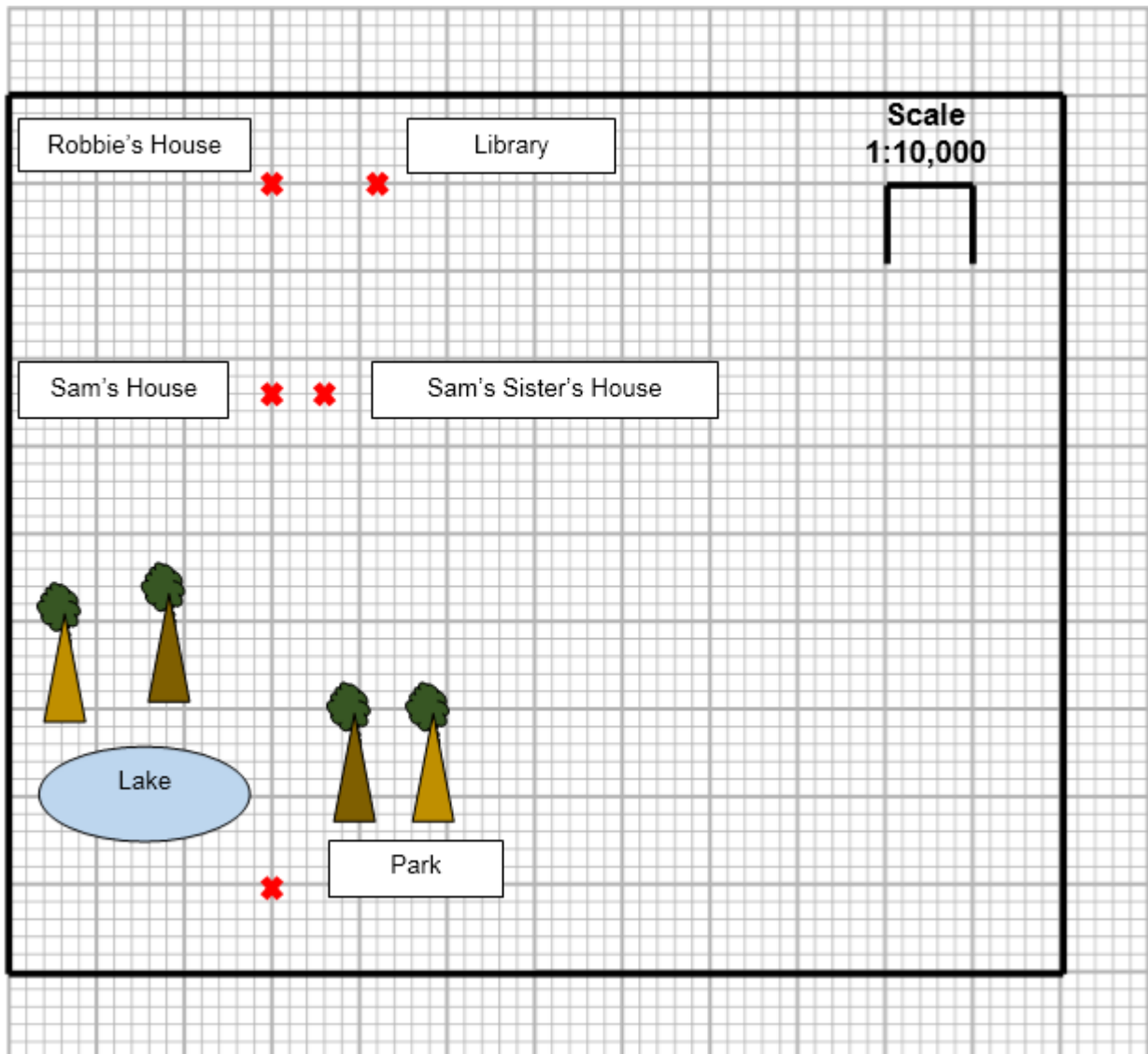
Mathematics

Level 2 Scale

Scale

Read the questions. Type your answers in the boxes provided. Show your workings.

- 1 Robbie draws a map of his local area. He uses a scale of 1:10,000 therefore each centimetre represents 10,000 centimetres, or 100 metres, in real life.



Mathematics

Level 2 Scale

Answer questions A-E.

- A) The actual distance between Robbie's house and the library is 120 metres. What should the distance be, in centimetres, on his scale drawing?
- B) If the distance from Robbie's house to the park is 8cm on the map, what would the actual distance be?
- C) If the distance from Robbie's house to his best friend Sam's house is double the distance from his house to the library, what would be the distance on the map in centimetres?
- D) If the distance from Sam's house to his Sister's house was halfway between his and the library what would the distance on the map be in centimetres?
- E) What is this distance in real life?

Answers	A) B) C) D) E)
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- 2 You need to show a check of how you used the scale in Question 1. Explain how you know one of your answers is correct.

Answer	
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Mathematics

Level 2 Scale

- 3** Olivia uses a scale of 8:1 to draw a representation of an ant that is larger than in real life.



Answer questions A-C.

- A)** The head of the ant is actually 4mm wide. What should the distance be, in centimetres, on her scale drawing?

Answer	
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- B)** The actual length of an ant's body is 15mm. What should the distance be, in centimetres, on her scale drawing?

Answer	
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- C)** Olivia draws one of the ant's back legs measuring a length of 10cm. What's the length of the ant's leg in real life in millimetres?

Answer	
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