

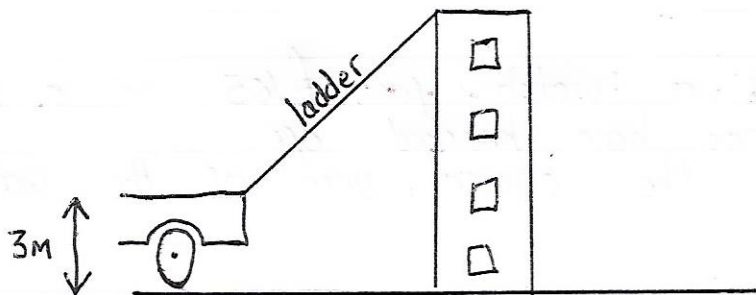
Year 11 : Numeracy Paper 2 (calculator Allowed)

Mock Exam Prep : Sheet 1

- 1) John buys a car for £20,000.
It depreciates in value by 15% per year.
Calculate its value after 7 years.

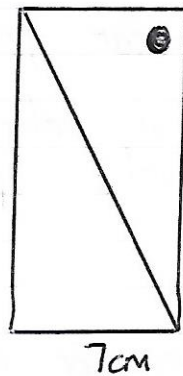
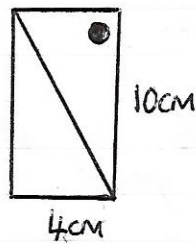
- 2) A rectangular piece of card has a width of 12cm measured to the nearest cm.
Calculate the maximum possible distance covered by the width of 20 cards placed side by side. Give your answer in metres.

- 3) The diagram shows a ladder leaning against a building from the back of a truck.



- The length of the ladder is 20m
 - The angle between the ladder and the building is 40°
- Calculate the height of the building.

- 4) The diagram shows 2 logos for a company. The 2 logos are SIMILAR shapes. The basic shapes are rectangles.



- a) Calculate the length of the diagonal of the small logo
- b) Calculate the length of the diagonal of the large logo.

- 5) Jessie buys a watch for £105 in a sale where 35% has been knocked off. What was the original price of the watch?

- 6) Which of these 2 glass tanks hold the most water and by how much.

