

Question 3

You are going to use a sheet of aluminium foil to determine the density of aluminium by two different methods.

Method 1

- (a) (i) Measure the length, l , and width, w , of the foil. Explain how you ensured your values were accurate. [3]

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- (ii) Fold the sheet of aluminium a number of times. Hence determine the average thickness of the foil. [3]

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- (iii) Do you think this method of finding the thickness of the foil sheet is accurate? Explain your answer. [2]

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- (iv) Use the scales to find the mass of the foil. [1]

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