

Multi Mark 10

1.

You will be assessed on the quality of your written communication in this question.

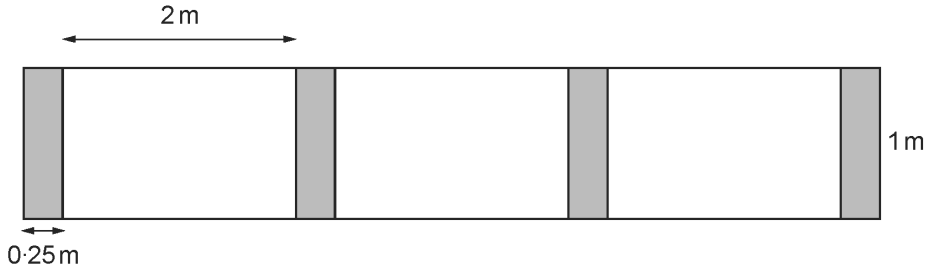
In an examination, candidates sit 2 written papers called Paper A and Paper B.
In a forthcoming examination there are 1200 candidates, each sitting Paper A and Paper B.
In 1 day, markers can either mark 60 Paper As or mark only half as many Paper Bs.
The marking must be completed in 10 days.
How many markers are needed to complete the marking in this time?

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[8]

2.

A company wants its logo painted on the side of its main office.
 A plan of the logo required is shown below.



Each wide strip is 2 metres by 1 metre and is to be painted blue.
 Each narrow strip is 0.25 metres by 1 metre and is to be painted orange.

(a) *You will be assessed on the quality of your written communication in this part of the question.*

Calculate the total area of the logo that will be coloured blue **and** the total area that will be coloured orange.

You must show all your working.

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- (b) Gethin is asked to paint the logo.
He has enough orange paint but no blue paint.
At the local shop, blue paint costs £2.50 for a tin that will cover an area of 3 m^2 .
How much will Gethin have to pay to buy enough blue paint to cover the three wide strips? [2]

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