WJEC 2014 Online Exam Review

GCSE Mathematics Unit 1 4351-01

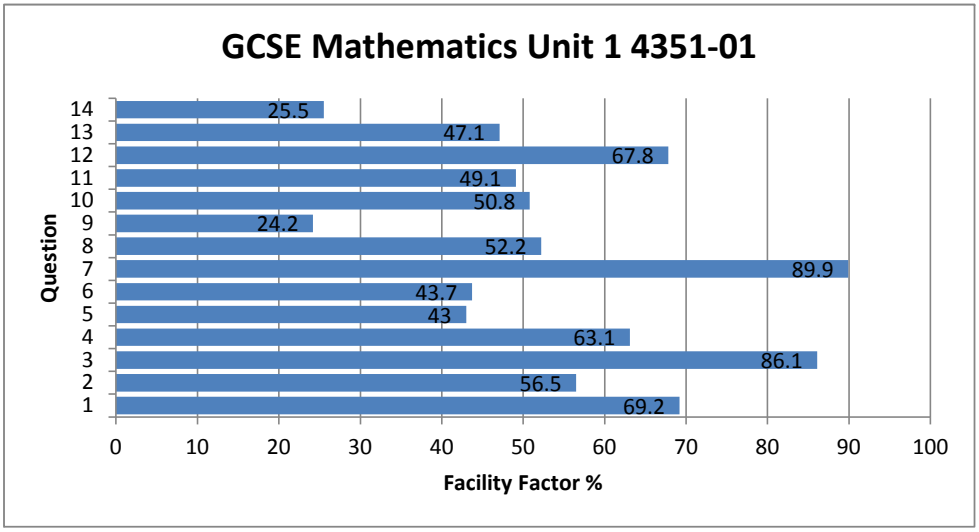
All Candidates' performance across questions

Question Title	N	Mean	S D	Max Mark	F F	Attempt %
1	1781	2.8	1.2	4	69.2	99.7
2	1767	3.4	1.5	6	56.5	98.9
3	1782	3.4	0.8	4	86.1	99.7
4	1730	5.1	2.7	8	63.1	96.8
5	1744	2.1	1.7	5	43	97.6
6	1651	2.6	1.9	6	43.7	92.4
7	1762	3.6	1.1	4	89.9	98.6
8	1576	2.6	1.9	5	52.2	88.2
9	1558	0.7	0.8	3	24.2	87.2
10	1542	1.5	1.3	3	50.8	86.3
11	1648	2.5	2.1	5	49.1	92.2
12	1708	2	0.9	3	67.8	95.6
13	1571	0.9	0.8	2	47.1	87.9
14	1506	1.8	1.7	7	25.5	84.3

2

9

11

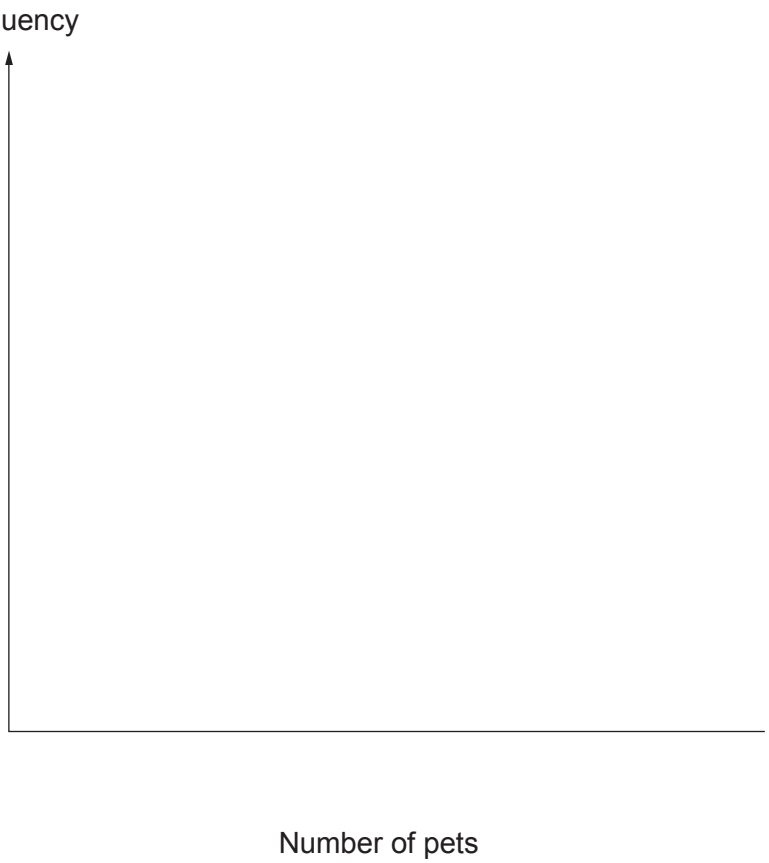


Examiner only

2. The number of pets in each house in a street was recorded.
A summary of the results is given below.

Number of pets	0	1	2	3	4
Frequency	6	8	5	2	1

(a) On the diagram below draw a vertical line diagram to show this information. [4]



(b) Calculate the total number of pets in these houses. [2]

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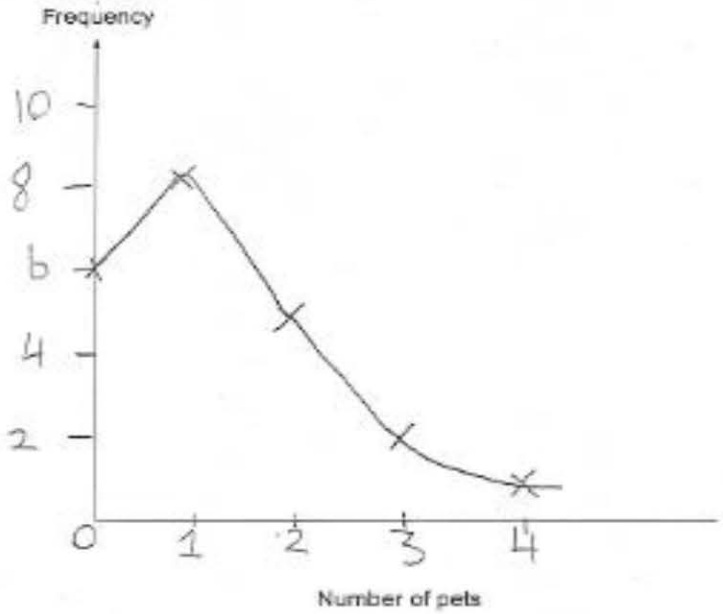

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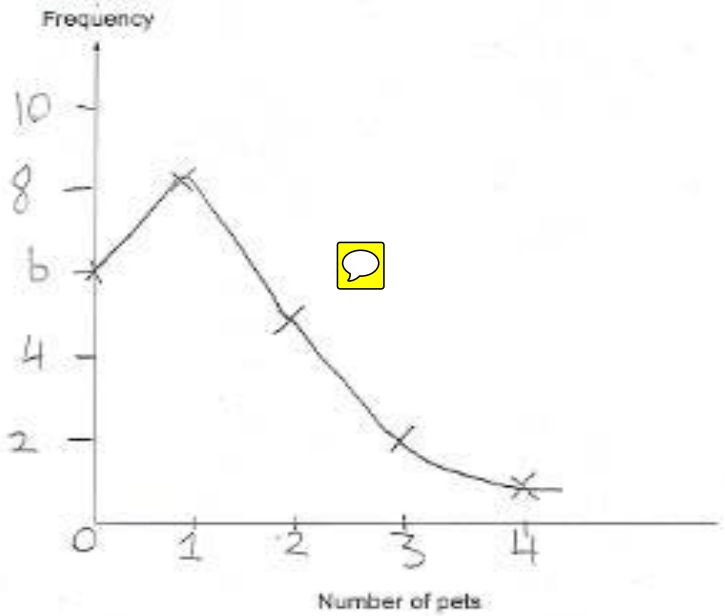

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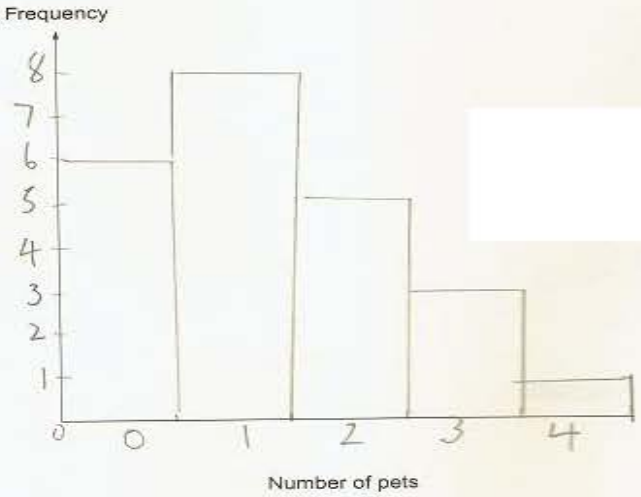

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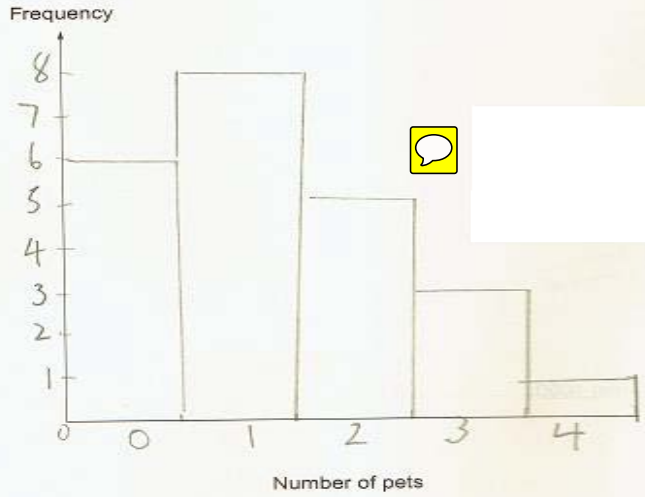

Examiner only

9. A concrete base is to be laid for a garage.
The base must measure 5·5 metres long, 3·8 metres wide and have a depth of 12 centimetres.

Diagram not drawn to scale

What will be the volume of this concrete base in **cubic metres** (m^3)? [3]

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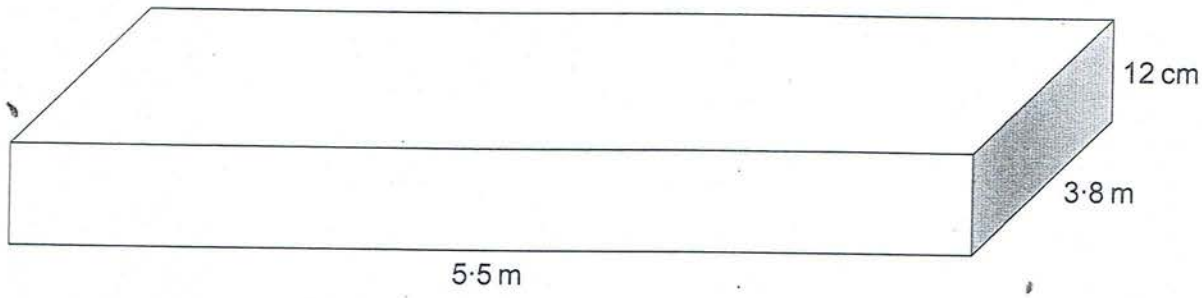

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What will be the volume of this concrete base in **cubic metres** (m^3)? [3]

Volume = $l \times w \times h$

$= 5.5m \times 3.8m \times 12cm$

$= 250.8 m^3$

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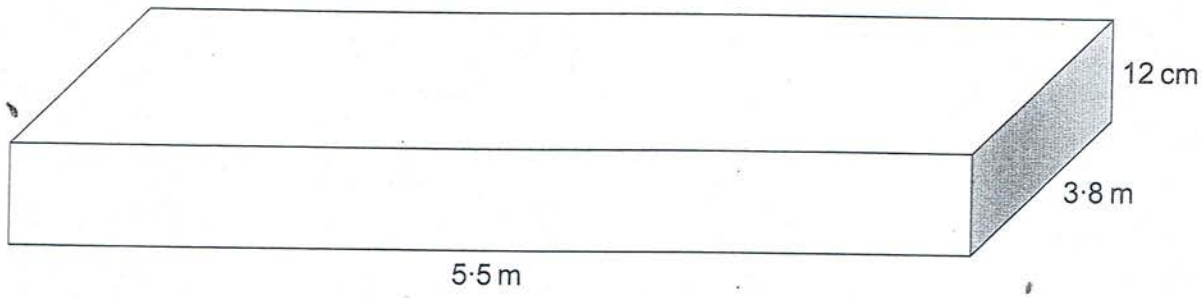

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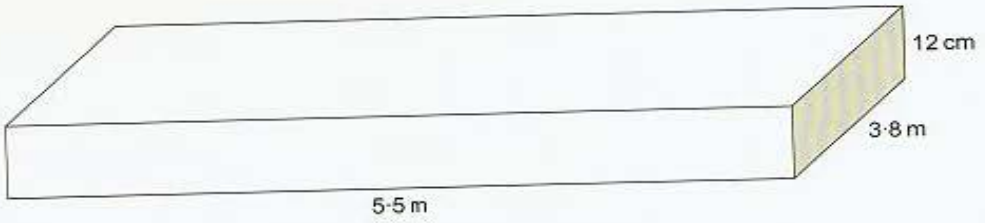
9. Mae sylfaen goncrit i gael ei gosod ar gyfer garej.
Rhaid i'r sylfaen fesur hyd o 5·5 metr, lled o 3·8 metr a chael dyfnder o 12 centimetr.



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550 x 380 x 12
2508000 ÷ 100
25080 m^3

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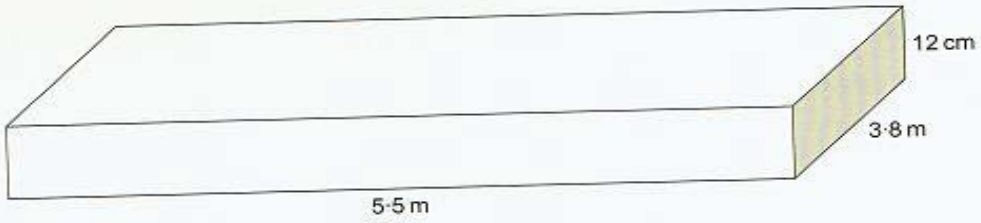

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Examiner only

11. A currency exchange shop displays the following two posters.

Need some euros this Summer?

£1 will buy you 1·28 euros.

Back from holiday? Need to change your euros into pounds?

1·50 euros will buy you £1.

Keith went to the exchange shop to buy 600 euros for his trip to Portugal.
The following day he realised that he would be unable to go on the trip.
He returned to the exchange shop and changed the 600 euros back into pounds.
The shop was displaying the same information as shown above.

How much money did Keith lose because of these two transactions? [5]

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768 ÷ 1.50 = 512

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~~Keith exch~~ He exchanged £469 into euros. 1.28 × €469 = €600 euros.

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