MME
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GCSE MATHEMATICS

AQA | Edexcel | OCR | WJEC

(Level 3 - 4)

Unit Conversions

Please write clearly in block capitals

Forename:
Surname:

Materials

For this paper you must have:
- mathematical instruments

You ***can*** use a calculator.

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the top of this page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- You may ask for graph paper, tracing paper and more answer paper. These must be tagged securely to this answer book.

Advice

- In all calculations, show clearly how you work out your answer.

1(a) Tom wants to measure the distance of a room in his house. *(Level 3)*

Which imperial unit would be most appropriate to use?

Circle your answer.

[1 mark]

Metres Gallons Feet Litres

1(b) To measure the liquid in a glass,

Which estimate would be most appropriate to use?

Circle your answer.

[1 mark]

200 milliltres 200 fluid ounces 200 litres 200 gallons

1(c) Circle the measurement that is the lightest.

[1 mark]

100 000 mg 500 grams $\frac{1}{2}$ pound $\frac{1}{4}$ kilogram

1(d) Circle the longest distance shown below.

[1 mark]

1002 m 10,000 mm 1.1 km 50,000 cm

Turn over for next question

4

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2 Below are two incomplete conversion tables. *(Level 3)*

2(a) Complete the following conversion table from meters to millimetres.

[2 marks]

m	mm
4	_____
_____	800
1.06	
_____	11 047
0.001	_____

2(b) Complete the following conversion table from millilitres to litres

[2 marks]

ml	L
1000	_____
_____	0.5
2	0.002
_____	6
1	_____

Turn over for next question

4

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3 Below are two incomplete conversion tables. *(Level 3)*

3(a) Complete the following conversion table from centimetres to kilometres.

[2 marks]

cm	km
10	_____
_____	0.5
3000	0.03
_____	2
50,000	_____

3(b) Complete the following conversion table from hours to seconds

[2 marks]

Hours	Seconds
2	_____
_____	1260
3.5	12600
_____	750
0.2	_____

Turn over for next question

4

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4 Below are two incomplete conversion tables. *(Level 3)*

4(a) Complete the following conversion table from cm^2 to m^2.

[2 marks]

cm^2	m^2
1000	_____
_____	2
500	_____
_____	0.1
50,000	_____

4(b) Complete the following conversion table from cm^3 to m^3.

[2 marks]

cm^3	m^3
1000	_____
_____	1
1,000,000	
_____	0.6
200	_____

Turn over for next question

4

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5 Below are two incomplete conversion tables. *(Level 3)*

5(a) Complete the following conversion table from $km/hr \ to \ m/s$

[2 marks]

m/s	km/hr
1	_____
_____	2
500	_____
_____	0.1
50,000	_____

5(b) Complete the following conversion table from g/cm^3 to kg/m^3.

[2 marks]

g/cm^3	kg/m^3
1	_____
_____	5
0.1	
_____	0.1
20	_____

Turn over for next question

4

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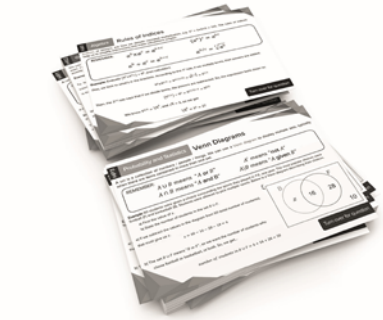
6 Complete the table below by writing a reasonable unit of measurement for the following: *(Level 4)*

[5 marks]

	Metric	**Imperial**
The width of Europe		miles
The weight of a goldfish	grams	
The volume of a tea cup		fluid ounces
The weight of a human		stone
The width of a football.		
A marathon		
The weight of a shoe	grams	
The volume of a car petrol tank		



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5

END

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