MME

GCSE MATHEMATICS

AQA | Edexcel | OCR | WJEC

Fractions, Decimals & Percentages

Please write clearly in block capitals

Forename:
Surname:

Materials

For this paper you must have:
- mathematical instruments

You must ***not*** 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 Which is greater:

1(a) $\frac{7}{25}$ or 0.3

[1 mark]

Answer _____

1(b) $\frac{2}{3}$ or 60%

[1 mark]

Answer _____

2 Express the following as fractions in their simplest form:

2(a) 0.58

[2 marks]

Answer _____

2(b) 0.256

[2 marks]

Answer _____

Turn over for next question

6

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3 Convert the following fractions to percentages

3(a) $\frac{6}{10}$

[1 mark]

Answer _____

3(b) $\frac{32}{50}$

[1 mark]

Answer _____

3(c) $\frac{3}{5}$

[1 mark]

Answer _____

3(d) $\frac{13}{20}$

[1 mark]

Answer _____

Turn over for next question

4

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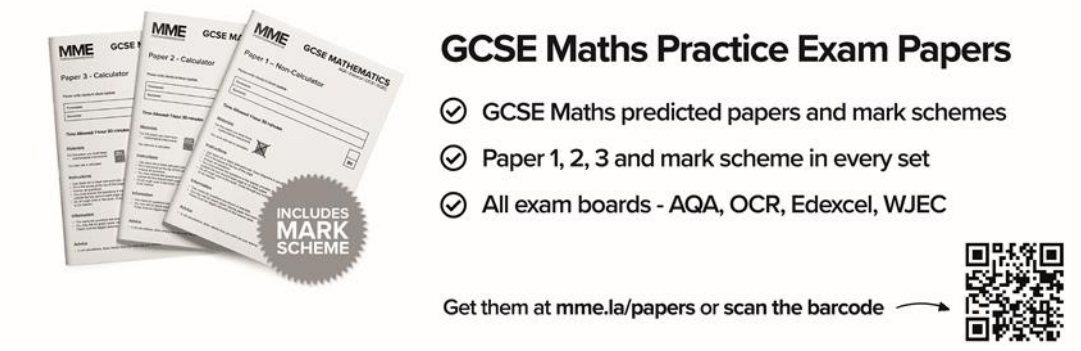
4 The following table lists the equivalent fraction decimal percentages.

Complete the table below.

[4 marks]

Fraction	Decimal	Percent
		77%
	0.25	
$\frac{3}{5}$		
		$33.\dot{3}\%$
	0.1	
		75%



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5 Esther has baked 32 cookies.

20% of the cookies are chocolate.

$\frac{1}{4}$ of the cookies are blueberry.

0.3 of the cookies are lemon.

The rest are plain.

5(a) How many cookies are plain?

[2 marks]

Answer _____

5(b) Next week Ether bakes cookies again in the same ratio.

This time ester bakes 60 cookies.

How many lemon cookies does she bake this week?

[1 mark]

Answer _____

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6 Tom's Grandma has £60 to give to her four grandchildren.

Tom gets $\frac{1}{3}$ of the amount, Alice gets 0.25 of the amount, John gets 20% of the amount and Susan gets the rest.

6(a) Who receives the most amount of money

You **must** show your working

[2 marks]

Answer _____

6(b) Order the grandchildren from most to least, in terms of what they received.

[1 mark]

Answer _____

3

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7 Four friends are order pizza from a take away.

The amount of pizza each person eats is shown as a fraction below.

Matthew eats 0.8 of a pizza

Lily eats $\frac{3}{4}$ of a pizza

George eats 77% of a pizza

Sam eats 82% of a pizza

7(a) Which person eats the most pizza?

You must show your workings.

[2 marks]

Answer _____

7(b) 4 pizzas are ordered in total.

How much pizza is left

Give your answer as a fraction in its simplest form.

[2 marks]

Answer _____

End of Questions

4

END

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