MME

GCSE MATHEMATICS
AQA | Edexcel | OCR | WJEC

Long Division

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.
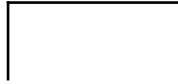
Information

• 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(a) Using long division, solve for $455 \div 7$
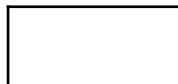
Include remainders where appropriate.

Show your working above.

[2 marks]

Answer

1(b) Using long division, solve for $654 \div 6$

Include remainders where appropriate.

Show your working above.

[2 marks]

Answer

Turn over for next question

4

2   A student is trying to solve the following question: $573 \div 18$.

Their working is shown below

$$
\begin{array}{r}
301 \ \text{r}15 \\
18\,\overline{\big)\,573} \\
540 \\
\overline{33} \\
0 \\
\overline{33} \\
18 \\
\overline{15}
\end{array}
$$

The student has made a mistake in their working.

Identify the mistake and provide the correct answer including the remainder.

[3 marks]

_____

_____

_____

_____

Answer   _____

3

Turn over ►

3(a) Using long division, solve the following question.

$$33.3 \div 37$$

Give your answer as a decimal.

[2 marks]

Answer _____

3(b) Using long division, solve the following question.

$$77 \div 22$$

You must show your workings.

[2 marks]

Answer _____

Turn over for next question

4

4 John walks to the shop with £7.75.

4(a) Onion bhajis cost 87p each

How many onion bhajis is John able to buy with £7.75?

You must show your working.

[3 marks]

Answer _____

4(b) How much money does John have left over after the purchase, assuming he buys as many onion bhajis as he can with the money he has?

Give your answer in pounds.

[1 mark]

Answer: £ _____

Turn over for next question

4

Turn over ▶

5   A school plan a trip for all of the students.

In total, there are 446 students and 30 adults.

5(a)   A school bus can accommodate 36 passengers. How many buses are required?

Show your working.

[3 marks]

_____

_____

_____

Answer   _____

5(b)   How many passengers, are on the last bus?

[1 mark]

_____

_____

_____

Answer   _____

4

6(a)   A greengrocer sells oranges.

32 oranges cost £7.36

Calculate the cost of 1 orange.

Give your answer in pounds

[2 marks]

Answer: £ _____

6(b)   The total rent for the greengrocer shop over 12 moths is £11,477.40

Calculate the rent per month for the greengrocers shop.

Give your answer in pounds.

[2 marks]

Answer: £ _____

End of Questions

4

END