Edexcel GCSE
Mathematics (Linear) – 1MA0

ESTIMATION

Materials required for examination
Ruler graduated in centimetres and
millimetres, protractor, compasses,
pen, HB pencil, eraser.
Tracing paper may be used.

Items included with question papers
Nil

Instructions

Use black ink or ball-point pen.
Fill in the boxes at the top of this page with your name, centre number and candidate number.
Answer all questions.
Answer the questions in the spaces provided – there may be more space than you need.
Calculators may be used.

Information

The marks for each question are shown in brackets – use this as a guide as to how much time to
spend on **each** question.
Questions labelled with an **asterisk** (*) are ones where the quality of your written communication
will be assessed – you should take particular care on these questions with your spelling, punctuation
and grammar, as well as the clarity of expression.

Advice

Read each question carefully before you start to answer it.
Keep an eye on the time.
Try to answer every question.
Check your answers if you have time at the end.

1. Work out an estimate for the value of

$$5.1 \times 98$$

....

2. Estimate the value of

$$\frac{68 \times 401}{198}$$

....

3. Work out an estimate for the value of

$$\frac{637}{3.2 \times 9.8}$$

………………………..

4. Which is the best estimate for the value of

$$\frac{37.9 \times 50.2}{2.1 + 2.98}$$

....
(3 marks)

5. Which is the best estimate for the value of

$$\frac{38.3 \times 51.7}{2.1}$$

....
(3 marks)

6. Work out an estimate for

$$\frac{10.1 \times 29.7}{5.9 - 3.1}$$

....
(3 marks)

7. Estimate the value of

$$\frac{813 \times 19.8}{97.6}$$

....
(3 marks)

8. Work out an estimate for the value of

$$\frac{5.79 \times 312}{0.523}$$

....
(4 marks)

9. Which is the best estimate for the value of

$$\frac{410 \times 6.9}{0.23}$$

....
(4 marks)

10. Work out an estimate for

$$\frac{29.8 \times 4.1}{0.21}$$

....
(4 marks)

11. Work out an estimate for

$$\frac{302 \times 9.96}{0.51}$$

....
(4 marks)

12. Work out an estimate for

$$\frac{412 \times 5.904}{0.195}$$

....
(4 marks)

13. Estimate the value of

$$\frac{21 \times 3.86}{0.207}$$

....
(4 marks)

14. Work out an estimate for the value of

$$\frac{6.8 \times 191}{0.051}$$

....
(4 marks)

15. (a) Write down an estimate for

$$\sqrt{60}$$

....
(1)

(b) Write down an estimate for

$$\sqrt{90}$$

....
(1)

(c) Write down an estimate for

$$\sqrt{130}$$

....
(1)

(d) Write down an estimate for

$$\sqrt{150}$$

....
(1)

(4 marks)