

Write your name here

Surname

Other names

In the style of:

Edexcel GCSE

Centre Number

--	--	--	--	--

Candidate Number

--	--	--	--

Mathematics A

Number

Foundation Tier

Past Paper Style Questions
Arranged by Topic

Paper Reference

1MA0/1F

You must have: Ruler graduated in centimetres and millimetres, protractor, pair of compasses, pen, HB pencil, eraser. Tracing paper may be used.

Total Marks



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 must not be used.**

Information

- The total mark for this paper is 100
- 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.

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.

Turn over ►



1(a) Work out $7500 + 1500$

Write your answer in words.

$$\begin{array}{r} 7500 \\ + 1500 \\ \hline 9000 \end{array}$$

..... Nine thousand

(2)

1(b) Write 4748 to the nearest hundred.

..... 4700

(1)

1(c) What is the value of the digit 5 in the number 425 986?

..... 5000

(1)

1(d) Write down the positive square root of 121.

..... 11

(1)

1(e) Which of these is equal to one million?

Circle your answer.

10^3

10^4

10^5

10^6

10^7



2. Use the numbers from this list to answer the questions.

5 12 17 25 28 30 42 49

(a) Write down all the multiples of 5.

.....
5, 25, 30

(2)

(b) Write down all the factors of 100.

.....
5, 25

(2)

(c) Write down a square number.

.....
25

(1)

(d) Write down three numbers that have a sum of 60.

.....
5 and 25 and 30

(1)

3. Here are two numbers.

forty thousand

7500

Which number is bigger?

Give a reason for your answer.

Bigger number
40000

Reason
 $a > b$ if $a - b > 0$

.....
So $40000 > 7500$ because $40000 - 7500$
.....
 $= 32500$ and $32500 > 0$.

(2)



4. w , x and y are three positive whole numbers. w is one-fifth of y .
 x is one-sixth of y .
 y is less than 100.
 What values could y take?

$$w = \frac{1}{5}y \Rightarrow y = 5w \text{ (i.e. a multiple of 5)}$$

$$x = \frac{y}{6} \Rightarrow y = 6x \text{ (i.e. a multiple of 6)}$$

$y < 100$ $\text{LCM}\{5, 6\} = 30$. Other common multiples of 5 and 6, which are also < 100 are 60 and 90.

30, 60, 90

(5)

5. The numbers 13 and 17 are consecutive prime numbers.
 The number halfway between them is 15.
 15 is **not** a square number.

Find a pair of consecutive prime numbers less than 30 where the number halfway between them is a square number.

Prime no.s < 30 : 2, 3, 5, 7, 11, 13, 17, 19, 23, 29

4 is halfway between 3 and 5 and is also a sq. no.

3 and 5

(2)



6. Work out

$8^2 \div 4^3$

$$\frac{64}{64} = 1$$

1

.....

(2)

7. You are given that $34.7 \times 25 = 867.5$

(a) Write down the value of 347×25

$$34.7 \times 25 \times 10 = 867.5 \times 10 \\ = 8675$$

8675

.....

(1)

(b) Write down the value of ~~$85.02 \div 26$~~

.....

(1)

(c) Work out the value of ~~32.7×27~~

.....

(2)

