

Questions

Q1.

(a) Work out $84 \div 3$

.....
(1)

(b) Work out 0.17×6000

.....
(1)

(c) Work out $(-2)^3$

.....
(1)

(Total for question = 3 marks)

(Q03 1MA1/1F/S2, Specimen papers)

Q2.

Here is a list of numbers.

21 22 23 24 25 26 27 28 29

(a) From the numbers in the list, write down a square number.

.....
(1)

(b) From the numbers in the list, write down a number that is a multiple of **both** 4 and 6

.....
(1)

(c) Write down all the prime numbers in the list.

.....
(1)

(Total for question = 3 marks)

(Q08 1MA1/2F, June 2017)

Q3.

Write the following numbers in order of size.
Start with the smallest number.

-3 4 0 -1 2

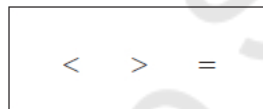
.....

(Total for question = 1 mark)

(Q02 1MA1/2F, June 2019)

Q4.

Here are three symbols.



Write one of these symbols in each box to make four true statements.

$14 \quad \square \quad 21$

$4 + 7 \quad \square \quad 103 - 92$

$2^2 \quad \square \quad 2 \times 2$

$-3 \quad \square \quad -5$

(Total for question = 2 marks)

(Q10 1MA1/2F, June 2019)

Q5.

Write these numbers in order of size.
Start with the smallest number.

8 -4 1 -7 -2

.....

(Total for question = 1 mark)

(Q01 1MA1/2F, Nov 2019)

Q6.

Write the following numbers in order of size.
Start with the smallest number.

1 -4 0 7 -6 -3 2

.....

(Total for question = 1 mark)

(Q05 1MA1/3F, Nov 2020)

Q7.

Write these numbers in order of size.
Start with the smallest number.

7 -5 3 9 -2

.....

(Total for question = 1 mark)

(Q05 1MA1/3F, June 2023)

Q8.

Write the following numbers in order.

Start with the lowest number.

4 -3 7 2 -1

.....

(Total for question = 1 mark)

(Q01 1MA1/2F, June 2024)

Q9.

Here are the first four even numbers.

2 4 6 8

Find the 10th even number.

.....

(Total for question = 1 mark)

(Q02 1MA1/1F, Nov 2024)

Q10.

Find the number that is exactly halfway between -2 and 8

.....

(Total for question = 1 mark)

(Q05 1MA1/2F, Nov 2024)

Q11.

Work out 172×34

.....

(Total for question = 3 marks)

(Q14 1MA1/1F/M3, Specimen papers)

Q12.

Write 23% as a fraction.

.....

(Total for question = 1 mark)

(Q01 1MA1/3F, June 2024)

Q13.

Bernard says,

"When you halve a whole number that ends in 8, you always get a number that ends in 4"

(a) Write down an example to show that Bernard is wrong.

.....

(1)

Alice says,

"Because 7 and 17 are both prime numbers, all whole numbers that end in 7 are prime numbers."

(b) Is Alice correct?

You must give a reason with your answer.

.....

.....

(1)

(Total for question is 2 marks)

(Q08 1MA1/1F/S1, Specimen papers)

Q14.

Work out 247×63

.....

(Total for question is 3 marks)

(Q09 1MA1/1F/S1, Specimen papers)

Q15.

Write down the 7th odd number.

.....

(Total for question = 1 mark)

(Q03 1MA1/2F, Nov 2022)

Q16.

The table shows the lengths of five rivers.

River	Length (km)
Trent	297
Don	112
Severn	354
Thames	346
Mersey	113

(a) Write down the rivers in order of length.

Start with the shortest river.

.....
.....

(1)

Ami says,

"The River Thames is more than three times as long as the River Don."

(b) Show that Ami is correct.

.....
.....

(1)

(Total for question = 2 marks)

(Q01 1MA1/3F, June 2017)

Q17.

Write the following numbers in order of size.
Start with the smallest number.

-7 7 0 -2 -1

.....

(Total for question = 1 mark)

(Q01 1MA1/2F, Nov 2022)

Q18.

Michelle and Wayne have saved a total of £458 for their holiday.
Wayne saved £72 more than Michelle.

How much did Wayne save?

£

(Total for question is 2 marks)

(Q06 1MA1/2F/S1, Specimen papers)

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Q19.

There are 30 children in a nursery school.
At least 1 adult is needed for every 8 children in the nursery.

(a) Work out the least number of adults needed in the nursery.

.....
(2)

2 more children join the nursery.

(b) Does this mean that more adults are needed in the nursery?
You must give a reason for your answer.

.....
(1)

(Total for question = 3 marks)

(Q11 1MA1/1F, Nov 2017)

Q20.

Jan writes down

one multiple of 9
and two different factors of 40

Jan adds together her three numbers.
Her answer is greater than 20 but less than 30

Find three numbers that Jan could have written down.

.....
(Total for question = 3 marks)

(Q06 1MA1/2F/N, Specimen papers)

Q21.

There are 6760 people at a rugby match.
3879 of the people are men.
1241 of the people are women.

$\frac{1}{4}$ of the children are girls.

Work out how many boys are at the rugby match.

.....

(Total for question = 3 marks)

(Q03 1MA1/3F/N, Specimen papers)

Q22.

There are 375 pupils at a school.
195 of the pupils are boys.

$\frac{3}{5}$ of the boys walk to school.

$\frac{2}{3}$ of the girls walk to school.

Work out how many pupils walk to school.

.....

(Total for question = 3 marks)

(Q08 1MA1/3F/M1, Specimen papers)

Q23.

Tanya needs to buy chocolate bars for all the children in Year 7
Each of the 130 children get one chocolate bar.

There are 8 chocolate bars in each packet.

Work out the least number of packets of chocolate bars that Tanya needs to buy.

.....
(Total for question = 3 marks)

(Q05 1MA1/1F/N, Specimen papers)

Q24.

Norma makes bags.
She makes 17 bags an hour.
Norma works for 6 hours each day, 5 days a week.

Each bag is checked.
If the bag is perfect, it is put in a box.
When there are 12 bags in a box it is full.

One week 90% of the bags Norma made were perfect.

Work out the number of boxes completely filled with bags made by Norma.

.....
(Total for question = 5 marks)

(Q15 1MA1/3F/M2, Specimen papers)

Q25.

Here are five digits

0 1 3 5 6

Use each digit once to complete this calculation.

$$\begin{array}{|c|} \hline \square \\ \hline \square \\ \hline \end{array} \begin{array}{|c|} \hline \square \\ \hline \square \\ \hline \end{array} \times 2 = \begin{array}{|c|} \hline \square \\ \hline \square \\ \hline \end{array} \begin{array}{|c|} \hline \square \\ \hline \square \\ \hline \end{array} \begin{array}{|c|} \hline \square \\ \hline \square \\ \hline \end{array}$$

(Total for question = 2 marks)

(Q04 1MA1/3F/M2, Specimen papers)

Q26.

Jules buys a washing machine.

20% VAT is added to the price of the washing machine.

Jules then has to pay a total of £600

What is the price of the washing machine with **no** VAT added?

£

(Total for question = 2 marks)

(Q09 1MA1/1H, June 2017)

Q27.

Work out $2 + 7 \times 10$

.....
(Total for question = 1 mark)

(Q02 1MA1/1F, Nov 2017)

Q28.

Here are four digits.

5 6 1 9

(i) Write down the smallest possible two digit number that can be made with two of the digits.

.....
(1)

(ii) Write down the three digit number closest to 200 that can be made with three of the digits.

.....
(1)

(Total for question = 2 marks)

(Q03 1MA1/3F, June 2017)

Q29.

Write down the value of the 3 in the number 4302

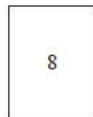
.....

(Total for question = 1 mark)

(Q01 1MA1/2F/M2, Specimen papers)

Q30.

Here are four cards.
There is a number on each card.



(a) Write down the largest 4-digit number that can be made using each card only once.

.....

(1)

(b) Write down the smallest 4-digit even number that can be made using each card only once.

.....

(1)

(Total for question = 2 marks)

(Q02 1MA1/1F/M1, Specimen papers)

Q31.

(a) Write the following numbers in order of size.

Start with the smallest number.

-6 6 -5 0 12

.....
(1)

(b) Write the following numbers in order of size.

Start with the smallest number.

0.078 0.78 0.87 0.708

.....
(1)

(Total for question = 2 marks)

(Q02 1MA1/1F, June 2018)