

You must write down all the stages in your working.

1 Write the number thirty-five thousand three hundred in figures.

(Total for Question 1 is 1 mark)

2 Write the number thirty-seven thousand six hundred in figures.

(Total for Question 2 is 1 mark)

3 Write the number fifty-five thousand nine hundred and twelve in figures.

(Total for Question 3 is 1 mark)

4 Write the number ninety-five thousand eight hundred and four in figures.

(Total for Question 4 is 1 mark)

5 Write the number sixty-eight thousand four hundred sixty-one in figures.

(Total for Question 5 is 1 mark)

6 Write the number seventy-nine thousand and fifty-two in figures.

(Total for Question 6 is 1 mark)

7 Write 31% as a fraction.

(Total for Question 7 is 1 mark)

8 Write 50% as a fraction.

(Total for Question 8 is 1 mark)

9 Write 75% as a fraction.

(Total for Question 9 is 1 mark)

10 Write 5% as a fraction.

.....
(Total for Question 10 is 1 mark)

11 Write 40% as a fraction.

.....
(Total for Question 11 is 1 mark)

12 Simplify $4p \times 5$

.....
(Total for Question 12 is 1 mark)

13 Simplify $4t \times 9$

.....
(Total for Question 13 is 1 mark)

14 Simplify $6d \times 3$

.....
(Total for Question 14 is 1 mark)

15 Simplify $7r \times 8$

.....
(Total for Question 15 is 1 mark)

16 Simplify $9y \times 3$

.....
(Total for Question 16 is 1 mark)

17 Write 957 to the nearest hundred.

.....
(Total for Question 17 is 1 mark)

18 Write 509 to the nearest ten.

.....
(Total for Question 18 is 1 mark)

19 Write 302 to the nearest ten.

.....
(Total for Question 19 is 1 mark)

20 Write 792 to the nearest hundred.

.....
(Total for Question 20 is 1 mark)

21 Write 634 to the nearest ten.

.....
(Total for Question 21 is 1 mark)

22 Change 5 litres into millilitres

.....
(Total for Question 22 is 1 mark)

23 Change 7 litres into millilitres

.....
(Total for Question 23 is 1 mark)

24 Change 2 litres into millilitres

.....
(Total for Question 24 is 1 mark)

25 Change 3 litres into millilitres

.....
(Total for Question 25 is 1 mark)

26 Change 6 litres into millilitres

.....
(Total for Question 26 is 1 mark)

27 Change $2\frac{1}{2}$ litres into millilitres

.....
(Total for Question 27 is 1 mark)

28 Change $3\frac{3}{4}$ litres into millilitres

.....
(Total for Question 28 is 1 mark)

29 Change $5\frac{1}{4}$ litres into millilitres

.....
(Total for Question 29 is 1 mark)

30 There are four items for sale.

A toy car costs £12. A deck chair costs £75. A tent costs £295. A small car costs six times as much as the tent.

Lily and Gabby decide to share the cost of all four items.

How much do they each have to pay?

£.....

(Total for Question 30 is 3 marks)

31 Five friends decide to go together on holiday. They go for eight days and seven nights.

They hire a car at a cost of £120 per day. Petrol for their journey costs a total of £245.

The hotel costs £84 per night for a single room and £102 per night for a double room. The friends need two double rooms and one single room.

The friends take £360 each to spend.

They start saving for their holiday at a rate of £80 each per week.

How long do they need to save in order to pay the costs of their holiday assuming they all pay an equal share.

£.....

(Total for Question 31 is 5 marks)

32 It is Christmas and Lewis and Georgette want to buy some presents for their parents.

The buy their father a watch and their mother a necklace.

The watch costs £452.96 and the necklace costs £399.95.

Wrapping a paper costs £3.95 and a card for each parent costs £1.99 and £2.25.

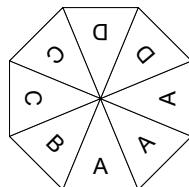
The two siblings contribute equally to the overall cost of the presents, the cards and the wrapping paper.

How much does each sibling pay?

£.....

(Total for Question 32 is 3 marks)

33 Memphis spins a fair octagonal spinner.



Memphis spins the spinner once.

(a) Is Memphis more likely to spin a vowel or a consonant?
Give a reason for your answer.

.....(1)

(b) Write down the probability that Memphis spins a B.

.....(1)

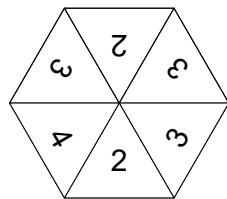
Memphis spins the spinner 300 times.

(c) Work out an estimate for the number of times Memphis spins a D.

.....(2)

(Total for Question 33 is 4 marks)

34 Sael spins a fair hexagonal spinner.



He spins the spinner once.

(a) Is Sael more likely to spin an odd or an even number?
Give a reason for your answer.

.....(1)

(b) Write down the probability that Sael spins a 5.

.....(1)

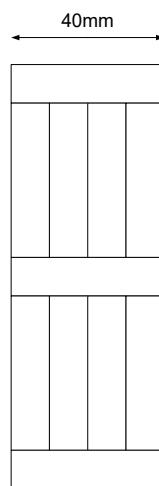
Sael spins the spinner 500 times.

(c) Work out an estimate for the number of times Sael spins a 2.

.....(2)

(Total for Question 34 is 4 marks)

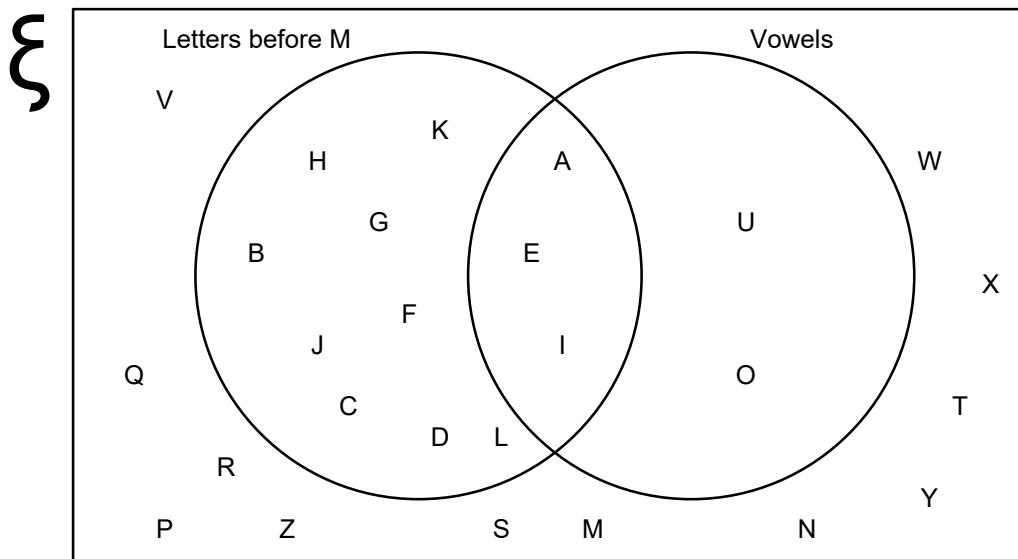
35 This shape is made of eleven rectangles that are all the same size.



Work out the area of the shape.

.....
(Total for Question 35 is 3 marks)

36 Here is a Venn diagram.



(a) Write down the letters that are in set

a. $\text{Letters before } M \cap \text{Vowels}$

.....
(1)

b. $\text{Letters before } M \cup \text{Vowels}$

.....
(1)

(b) How many letters are in set $(\text{Vowels})'$?

.....
(1)

(Total for Question 36 is 3 marks)

37 $x = 0.932$ correct to three decimal places

Complete the error interval for x .

..... $\leq x <$

(Total for Question 37 is 2 marks)

38 $x = 0.19$ correct to two decimal places

Complete the error interval for x.

..... $\leq x <$

(Total for Question 38 is 2 marks)

39 $x = 0.35$ correct to two decimal places

Complete the error interval for x.

..... $\leq x <$

(Total for Question 39 is 2 marks)

40 $x = 5.725$ correct to three decimal places

Complete the error interval for x.

..... $\leq x <$

(Total for Question 40 is 2 marks)

41 $x = 3.162$ correct to three decimal places.

Write the error interval for x.

.....

(Total for Question 41 is 2 marks)

42 $x = 12.46$ correct to two decimal places

Write the error interval for x.

.....

(Total for Question 42 is 2 marks)

43 $x = 12.46$ correct to two decimal places

Write the error interval for x.

.....

(Total for Question 43 is 2 marks)

44 Blake buys a watch for £5000.

The watch gains value each year at a rate of 4% of the value it had at the start of the year.

What is the value of Blake's watch after ten years?

(Total for Question 44 is 4 marks)

45 Arshida buys a car for £24,950.

The car loses value each year at a rate of 6% of the value it had at the start of the year.

What is the value of Arshida's car after four years?

(Total for Question 45 is 4 marks)