



Name: _____ **Date:** _____ **Score:** _____ / 50

- 1** A jug has marks every 50 ml up to 500 ml. The water is level with the third mark above the 200 ml line. Sam then pours out 120 ml.

How much water is left in the jug?

(2 marks)

Answer _____

- 2** Here are five numbers.

3407 3047 3470 3074 3740

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

(2 marks)

Answer _____

- 3** Tickets for a school play cost £4 each. The table shows the number of tickets sold on each of four days. 70 tickets were sold altogether. The bar for Thursday has not been drawn.

Day	Mon	Tue	Wed	Thu
Tickets sold	15	22	18	?

- Work out the number of tickets sold on Thursday.
- Work out the total money taken from all 70 tickets.

(3 marks)

Answer _____

- 4**
- A quadrilateral has exactly one pair of parallel sides. Write down the mathematical name of this quadrilateral.
 - A different quadrilateral has two pairs of parallel sides. All four of its sides are equal in length but none of its angles are right angles. Write down the mathematical name of this quadrilateral.

(2 marks)

Answer _____

5 Choose the best word from **impossible, unlikely, evens, likely, certain** for each event.

- a. A fair coin lands on heads.
- b. It will be daytime somewhere in the world at some point tomorrow.
- c. An ordinary dice lands on 7.

(3 marks)

Answer _____

6 A theatre sells tickets over three days.

Day	Tickets sold
Friday	1246
Saturday	2085
Sunday	1539

Work out the total number of tickets sold.

(2 marks)

Answer _____

7 Amy works in a shop.

Last week she worked 28 hours at her normal rate of £9.50 per hour.

She also worked 6 hours at a higher rate of £14.25 per hour.

Work out the total amount Amy earned last week.

(3 marks)

Answer _____

8 A delivery van leaves a depot at 10:47 and arrives at a warehouse at 13:12 on the same day.

Work out the length of the journey in minutes.

(2 marks)

Answer _____

- 9** Jade is paid £11.20 per hour for hours worked on weekdays.
For hours worked at the weekend she is paid 1.5 times her weekday rate.
Last week Jade worked 30 hours on weekdays and 4 hours at the weekend.
Work out Jade's total pay for last week.

(4 marks)

Answer _____

- 10** Here are the first four terms of a sequence.

96 48 24 12

- a. Write down the next term of the sequence.
b. Work out the 8th term of the sequence.

(3 marks)

Answer _____

- 11** A thermometer has marks every 2°C . In the morning the liquid is at the third mark above 10°C . In the afternoon it is at the second mark above 20°C .

Work out how many degrees the temperature has risen.

(2 marks)

Answer _____

- 12** Here is a probability scale, labelled from 0 to 1.

- a. Mark with a cross the probability that a fair coin lands on tails.
b. Mark with a cross the probability that an ordinary fair dice lands on the number 8.



(2 marks)

Answer _____

13 Work out 417×6

(2 marks)

Answer _____

14 The pictogram shows the number of muffins three friends sold at a school fair. The key is missing.

Key: ● represents muffins

Ben sold 18 muffins.

- Complete the key.
- Write down the number of muffins Cara sold.
- Amy sold 27 muffins. How many circles should be drawn for Amy?

Ben ● ● ●

Cara ● ● ●

Amy

Key: ● = muffins

(4 marks)

Answer _____

15 Write these numbers in order, starting with the smallest.

4,502 4,052 4,205 4,025

(2 marks)

Answer _____

16 A library has 3406 books. On Saturday, 1879 of the books are borrowed.

How many books are left in the library?

(2 marks)

Answer _____

17 Work out 243×3

(2 marks)

Answer _____

18

- a. Write down the number of faces of a cube.
b. Write down the number of vertices of a cube.

(2 marks)

Answer _____

19

The pictogram shows the number of cakes a stall sold on Saturday and Sunday.

Key: ● represents 4 cakes

Each cake was sold for £2.40.

Work out the total amount of money the stall took from selling cakes on Saturday and Sunday.

Saturday 

Sunday 

Key:  = 4 cakes

(4 marks)

Answer _____

20

Here are the first five terms of a Fibonacci sequence.

2 3 5 8 13

- a. Write down the next term of the sequence.
b. Describe the rule for finding the next term of the sequence.

(2 marks)

Answer _____

End of questions | Total 50 marks