NAME

Non-calculator

1 Work out −9 + 6

………………………..
(1 mark)

2 Work out $4^2 \times (8 + 7)$

………………………..
(2 marks)

3 Work out 476 ÷ 14

………………………..
(2 marks)

4 Rohan says, 'The lowest common multiple of 6 and 10 is 60.'

Explain why Rohan is not correct.

……………………………………………………………………………………………………

……………………………………………………………………………………………………
(1 mark)

5　Grant says, 'Multiplying any number by 3 will always give an answer greater than zero.'

Grant is not correct.

Write down a calculation to show this.

(1 mark)

6　Tammy's laptop cost £400

Clare's laptop cost twice as much as Tammy's.

Eva's laptop cost £145 less than Clare's.

What is the cost of Eva's laptop?

………………………..
(3 marks)

7　Amy writes down a positive whole number.

Her number has a remainder of 5 when divided by 6

Her number has more than two factors.

Work out the lowest possible number that Amy could have written down.

………………………..
(2 marks)

8 A climber records the temperature every 1000 metres, as she climbs.

Here are her results

15 °C   10 °C   3 °C   −4 °C   −11 °C   −19 °C

What is the range of temperatures?

…………………….…..°C

(2 marks)

🖩 **Calculator**

9 Calculate $\sqrt{289}$

…………………….…..

(1 mark)

10 Two shops sell newspapers on Monday.

On Monday Shop **A** sold 1092 newspapers.

On Monday Shop **B** sold 217 fewer newspapers than Shop **A**.

Work out the total number of newspapers sold by the two shops on Monday.

…………………….…..

(3 marks)

11 Amina buys a games console and some games.

The total cost is £650

Amina's mum pays £225 towards the cost.

Amina pays the remaining amount in two equal monthly payments.

a How much does she pay each month?

£…………………………..

(3 marks)

b Explain why paying the remaining amount in six equal monthly payments would not be possible.

……

……

(1 mark)

12 New Street car park charges £7.20 per day.

Mr Taylor and his son both park their cars in New Street car park for the day.

Mr Taylor buys both their tickets. He pays with a £20 note.

How much change does he get?

………………………..

(3 marks)

13 Jon has 200 square paving stones.

He uses some to make a square patio.

Show that the largest number of paving stones he can use is 196

(2 marks)

14 Simon has half as many emails in his inbox as Polly.

Polly has three times as many emails in her inbox as Kamal.

Kamal has 28 emails in his inbox.

How many emails are in Simon's inbox?

………………………..
(3 marks)

Overall mark	/30