Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Order of Operation 1

Calculator Not Allowed

INSTRUCTIONS TO CANDIDATES

- Write your name in the space provided.

- Write your answers in the spaces provided in this question paper.

- Answer ALL questions.

- Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

Total Marks :

1) Calculate **(i)** $6 + 8 \times 2$

Answer _____ [1]

(ii) $10 \div 5 + 8 \div 2$

Answer _____ [1]

(iii) $4 \times 12 \div 8 - 6$

Answer _____ [1]

2) Calculate

(a) $8 + 4 \div 2$

Answer _____ [1]

(b) $4 + 2(9 - 3)$

Answer _____ [1]

(c) $5 \times 2 + 14 \div 2$

Answer _____ [1]

3) **(a)** Calculate

(i) $8 + 6 \div 2$

Answer _____ [1]

(ii) $5 \times 4 - 3 \times 2$

Answer _____ [1]

4) **(a)** Calculate
(i) $4 + 10 \div 2$

Answer _____ [1]

(ii) $3 + 4(6 - 4)$

Answer _____ [1]

(b) Insert a pair of brackets in order to make this calculation correct.

$$8 - 4 + 6 \div 2 = 1$$

[1]

5) **(a)** Calculate $12 + 8 \div 2 - 1$

Answer _____ [1]

(b) Write down which of these two statements is correct.

(i) $(15 - 3) \times 6 \div 2 = 6$

(ii) $15 - 3 \times 6 \div 2 = 6$

Answer _____ [2]

6) **(a)** **(i)** Calculate $6 + 3 \times 7$

Answer _____ [1]

(b) Calculate $(7 - 2) \times 3$

Answer _____ [1]

(c) Calculate $4 + 5 \times 3$

Answer _____ [1]

7) Calculate

(a) $14 + 6 \div 2$

Answer _____ [1]

(b) $2 \times (3 + 5) - 4$

Answer _____ [1]

8) (a) Kate thought of a number.
She multiplied her number by 9 and got the answer 54.
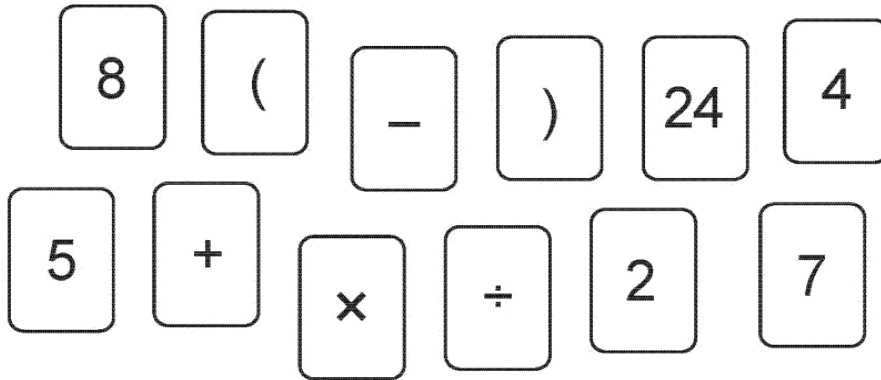
What number did Kate think of? [1]

....

....

(b) Write **a positive whole number** in each empty box to make this statement true. [1]

$$\boxed{} \times \boxed{8} + \boxed{} = \boxed{21}$$

....

....

....

9)

| 8 | (| – |) | 24 | 4 |

| 5 | + | × | ÷ | 2 | 7 |

Use only cards from the selection shown above to create calculations with answers of 60, –7 and 21.

Remember:
- there are no other cards available to use
- a card may be used once only in each calculation
- a complete selection of these cards is available for each calculation.   [3]

For example, to create a calculation with the answer 13,
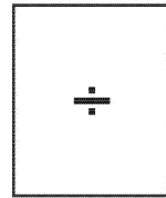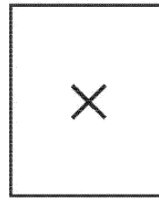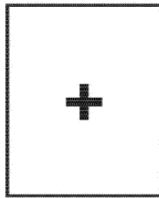
| 8 | + | 5 | = 13.

(a)   = 60

(b)   = –7

(c)   = 21

10) Using the signs below, fill in the missing blanks. [6]

| − | + | × | ÷ |

23 [ ] 17 = 40

100 [ ] 25 = 75

36 [ ] 3 = 12

4 [ ] 4 = 16

2 [ ] 5 [ ] 3 = 13

10 [ ] 2 [ ] 5 = 0

11)

Write down the answer to each calculation in the space provided.
Match the calculations that have the same answer.
One has been done for you.

[5]

$28 \div (4 + 3)$

= ....

$-3 - 2$

= ....

$25 - 6 \times 5$

= ....

$30 + 18 \div 3$

= 36

6^2

= 36

0.4×5

= ....

$21 - 4 \times 3$

= ....

2^2

= ....

$-7 + 9$

= ....

$\sqrt{81}$

= ....