ENTRY LEVEL CERTIFICATE MATHEMATICS

5930/2

Externally set assignment

Component 2 – The four operations

Specimen 2015 Time allowed: 45 minutes

Materials

For this paper you must have: • a pen • a pencil • a ruler You may **not** use a calculator. 20 counters should be made available for each candidate.	

Instructions

- Use black ink or black ball-point pen. Draw diagrams in pencil.
- Fill in the boxes at the bottom of this page.
- Answer **all** questions.
- You must answer the questions in the space provided. Do not write outside the box around each page or on blank pages.
- Do all rough work in this book. Cross through any work that you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 30
- You are expected to use a calculator where appropriate.

Advice

- In all calculations, show clearly how you worked out your answer.

Please write clearly, in block capitals.

Centre number ☐☐☐☐☐ Candidate number ☐☐☐☐

Surname

Forename(s)

Candidate signature _____

Answer **all** questions in the spaces provided.

1 Work out

1 (a) $5 + 3$

[1 mark]

1 (b) $10 - 6$

[1 mark]

2 Fill in the missing numbers.

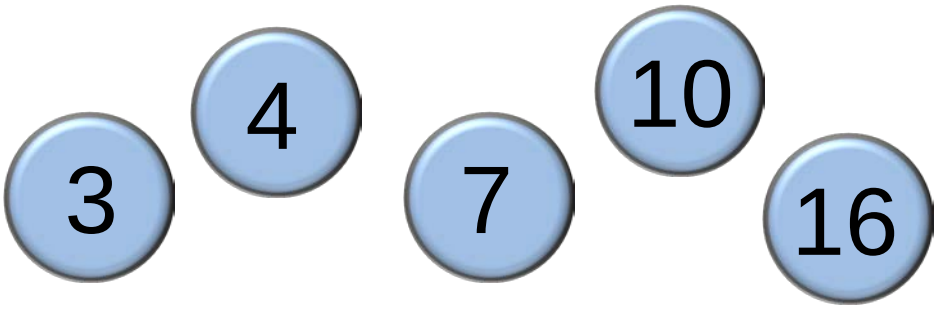
2 (a) $14 - \square = 4$

[1 mark]

2 (b) $\square + 11 = 17$

[1 mark]

3 Look at the counters.



3 (a) Write down **two** counters with a **total** of 10

[1 mark]

3 (b) Write down **two** counters with a **total** of 20

[1 mark]

4 Work out the **difference** between 7 and 16

[1 mark]

5 Which number is **subtracted** from 11 to leave 5?

[1 mark]

6 Write the missing signs in the boxes.

Use + or −

[2 marks]

$$19 \square 5 = 14$$

$$9 \square 5 = 14$$

7 Jen has 8 cakes.

She puts 2 sweets on each cake.

How many sweets does she use?

[1 mark]

8 Joel can send 100 free texts.

He has sent 22 free texts.

How many does he have left?

[1 mark]

9 Work out

9 (a) $45 + 23$

[1 mark]

9 (b) $66 + 17$

[1 mark]

9 (c) $88 - 53$

[1 mark]

9 (d) $72 - 48$

[1 mark]

10 Complete the multiplication grid.

[3 marks]

×	3	6	8
2		12	
5	15		
10			80

11 Fill in the missing sign.

[1 mark]

$$4 + 4 + 4 + 4 + 4 = 5 \square 4$$

12 Work out

12 (a) $445 + 239$

[1 mark]

12 (b) 45×6

[1 mark]

13 A car park has room for 320 cars.

13 (a) There are 182 cars in the car park.

How many more will fit in?

[1 mark]

13 (b) 26 cars leave the car park.

Can 155 more cars now fit in?

Show how you decide.

[3 marks]

14 Fill in the missing numbers.

14 (a) $\_\_\_\_ + 127 = 763$

[1 mark]

14 (b) $\_\_\_\_ \div 8 = 9$

[1 mark]

15 Which calculation would you choose to **estimate** the answer to

842 – 155

Circle your answer.

[1 mark]

900 – 200 800 – 100 800 – 200

16 Zac has 20 badges to share equally between 6 party bags.

How many will he have left over?

[1 mark]

END OF QUESTIONS

There are no questions printed on this page

DO NOT WRITE ON THIS PAGE
ANSWER IN THE SPACES PROVIDED