

ENTRY LEVEL CERTIFICATE
MATHEMATICS
 Written Test 2 Specimen Paper

R448/W2

Candidates answer on the question paper

OCR Supplied Materials:
 None

Other Materials Required:

- Calculator
- Ruler

Candidate Forename		Candidate Surname	
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Centre Number		Candidate Number	
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INSTRUCTIONS TO CANDIDATES

- Write your name, Centre number and candidate number in the spaces in the centre of this page.
- Answer **all** questions.
- Write your answers in the spaces provided on the question paper.
- Show all your working.

INFORMATION FOR CANDIDATES

- You may use a calculator for this test.
- This document consists of **16** pages. Any blank pages are indicated.

FOR TEACHER'S USE	
Total Mark (Max 30)	

Carys and Ryan design and make jewellery as a hobby.
They use silver and gold wire and also beads.



At a car boot sale you hire a pitch to park your car for the day.



- The next car boot sale is on the second Saturday in April.
Mark this date on the calendar.

April						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

2 Carys and Ryan store all their jewellery in plastic crates.

(a) How many plastic crates are here?



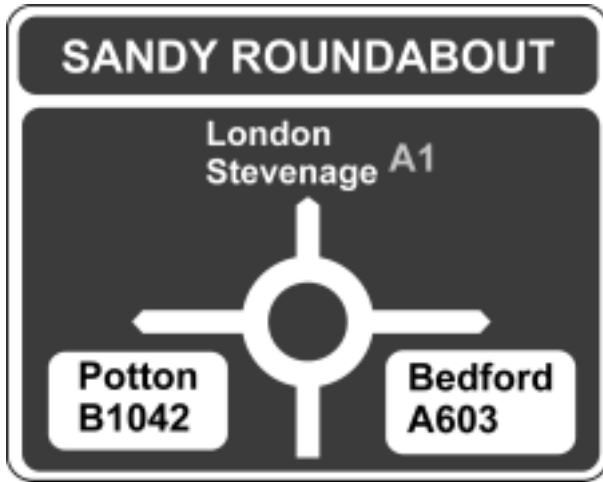
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..... [1]

(b) They want a total of 7 crates for the car boot sale.
How many more crates do they need?

..... [1]

3 On the way to the car boot sale they come to this roundabout.



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(a) If they go straight across, where would they be heading towards?

..... [1]

(b) If they drive three quarters of the way around the roundabout, where would they be heading towards?

..... [1]

4 Carys and Ryan are in the fifth car to arrive at the car boot sale.

How many cars arrived before them?

..... [1]

5 Carys and Ryan share the cost of the pitch equally.

CAR BOOT SALE
Cost of pitch £10

How much do they each pay?

£ [1]

6 The pitches are numbered.



(a) What are the next two pitch numbers along the top after 16?

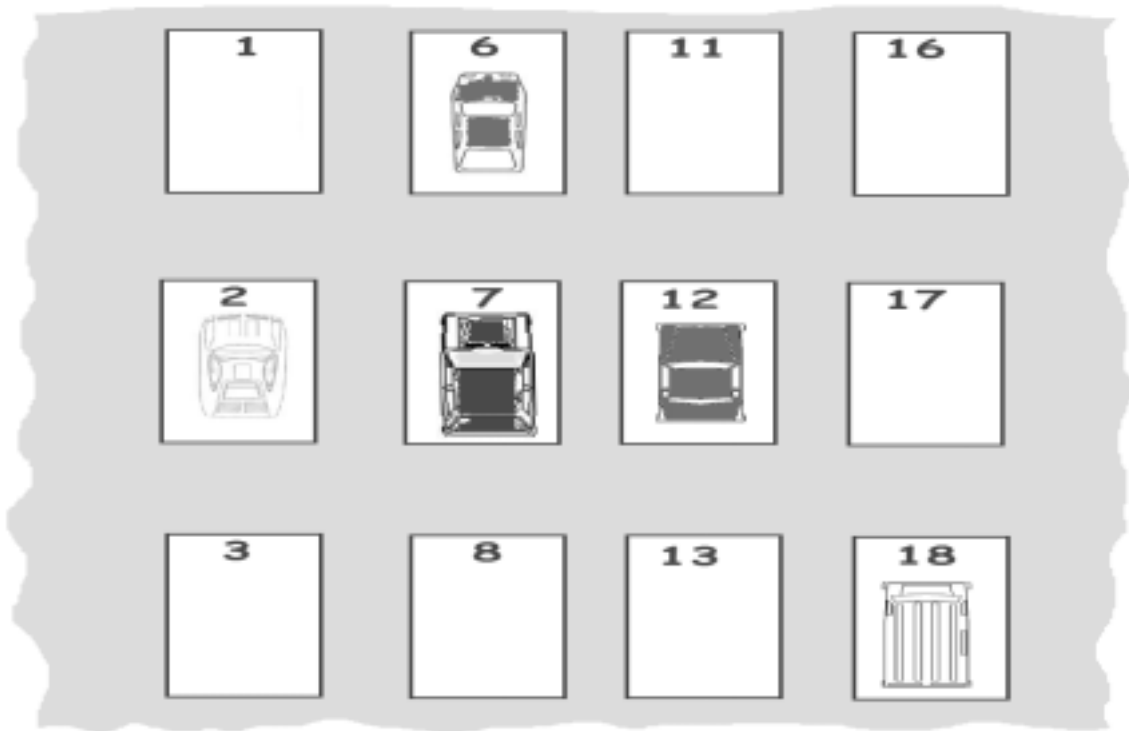
..... [2]

(b) Most people like a pitch next to the main road.

Look at the numbers of the pitches next to the main road.
Describe the pattern.

..... [1]

- (c) Carys parks the car on pitch 7.
A car is parked on the pitch in front of them.



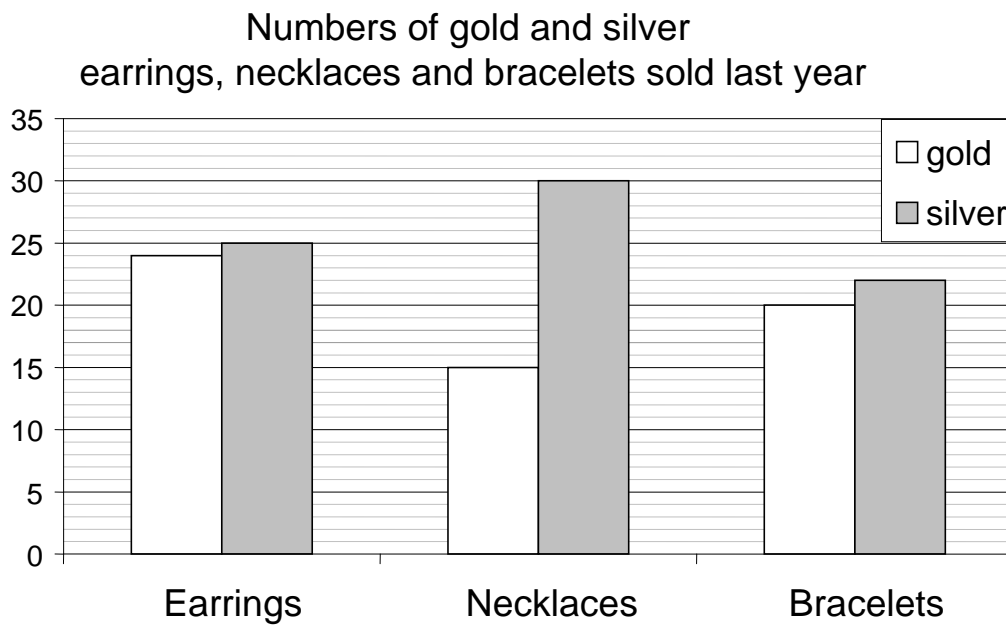
- (i) What are the numbers of the pitches on either side of Carys and Ryan's car?

..... and [1]

- (ii) What is the number on the pitch to the left of the car in front of them?

..... [1]

- 7 Ryan keeps a record of the types of jewellery they sell. This is his chart from last year.



- (a) How many gold necklaces were sold last year?

..... [1]

- (b) What was the total number of necklaces sold last year?

..... [1]

- (c) At the car boot sale Carys and Ryan sold 3 gold bracelets in the morning. They sold another 6 in the afternoon.

How many gold bracelets did they sell in total at this car boot sale?

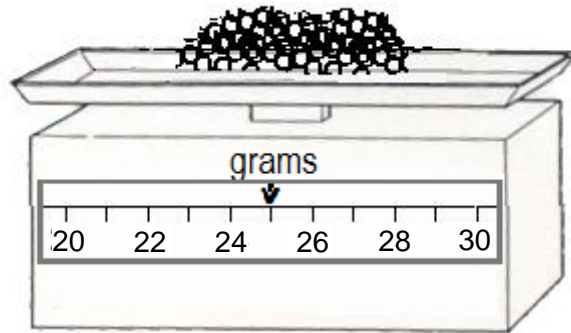
..... [1]

- (d) This year Carys and Ryan sold 15 silver earrings.

How many more silver earrings did they sell last year compared with this year?

..... [2]

- 8 One of the traders is selling small gold beads for necklaces. These are sold by the gram.



- (a) What weight of beads does the scale above show?

..... grams [1]

- (b) What weight of beads needs to be added to make the weight 30 grams?

..... grams [1]

- 9 Carys and Ryan keep a record of their sales. Some of the numbers got washed away in a shower.

Find the missing numbers.

$$3 + \text{☹} = 5$$

$$\text{☹} = \dots\dots\dots$$

$$8 - \text{☹} = 1$$

$$\text{☹} = \dots\dots\dots$$

[2]

- 10 Carys needs to phone a friend.
She remembers the number by carrying on this number pattern

07 2452452??

What are the last two numbers?

..... [1]

- 11 Carys thinks up the following puzzle.
What is the missing number?

$$\square - 2 = 5$$

[1]

12 Put these items of money in order of their weight, lightest first.



.....

Lightest

.....

.....

Heaviest

[1]

13 This is Carys' watch.



(a) What time is Carys' watch showing?

..... [1]

(b) The car boot sale closes at a quarter to six.
How much longer is it before it closes?

..... minutes [1]

14 Carys keeps a record of the profit that they make each year.

		Profit (£)	
		2009	2010
Item \ Year			
Necklaces		90	94
Earrings		70	61
Bracelets		61	65

(a) How much profit did they make on earrings in 2009?

£.....[1]

(b) Which item made a profit of £61 in 2010?

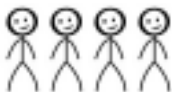
.....[1]


15 Carys and Ryan asked their friends which was their favourite type of jewellery.

They recorded the results in a table

Type of Jewellery	Number of people
Earrings	12
Necklaces	8
Bracelets	2

Use this information to complete the pictogram below.

Earrings	
Necklaces	
Bracelets	

Key:  = 2 people

[2]

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