

ENTRY LEVEL CERTIFICATE

MATHEMATICS

R448/W1

Written Test 1 Specimen Paper

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 above.
- 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 **12** 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 make earrings and necklaces of different designs.



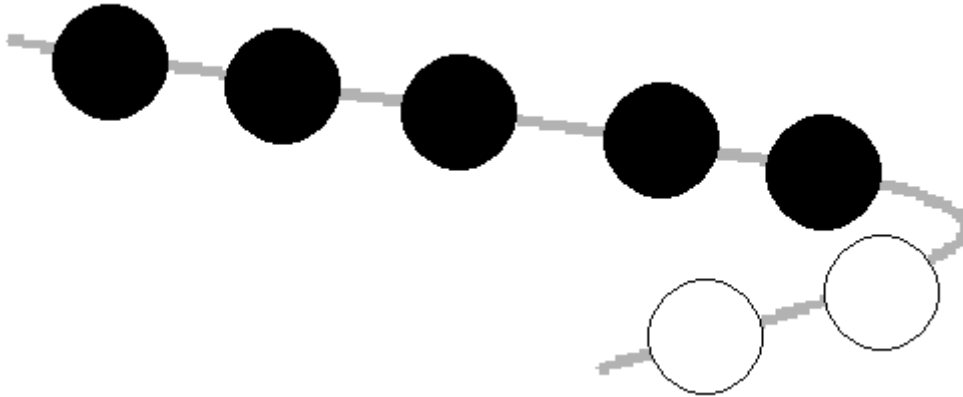
They use silver and gold wire and also beads.



They sell their jewellery at car boot sales.



1 Carys made this necklace from black and white beads.



(a) How many black beads are there?

..... [1]

(b) Put the correct number in this sentence.

There are more black beads than white beads. [1]

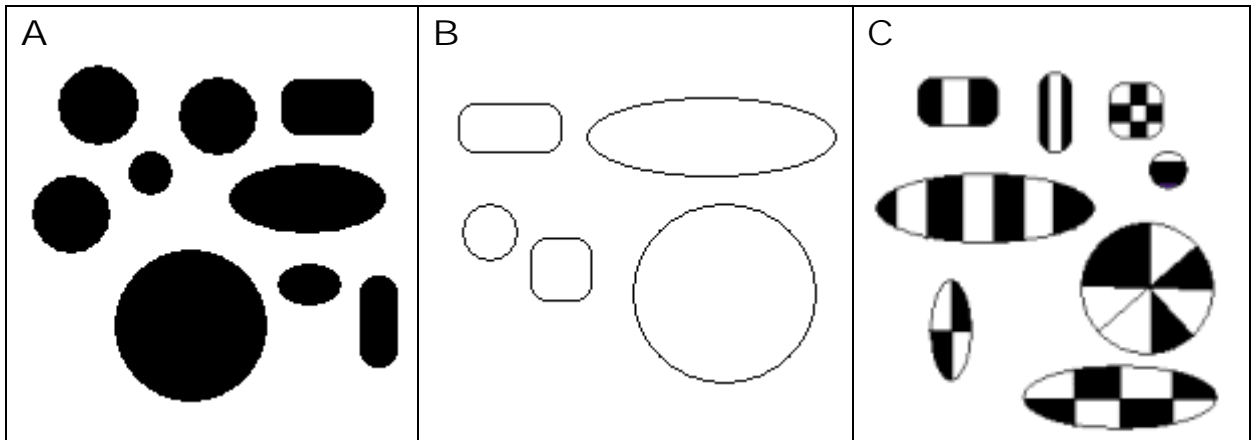
2 Ryan makes the earrings using silver wire.

Put these lengths of wire in order of length.
Put the shortest first.

Four lengths of silver wire are shown. Wire A is the longest, wire B is the shortest, wire C is medium length, and wire D is the second longest. Below the wires are four dotted lines for labeling, with 'Shortest' on the left and 'Longest' on the right.

..... [2]

3 Carys and Ryan have sorted their beads into three groups.



(a) Write down a name (or sentence) to describe each group.

A

B

C

[2]

(b) Which group will this bead go into?



.....

[1]

4 Carys must get to the bank before midday.
Is this morning, afternoon or evening?

.....

[1]

5 Carys and Ryan use different shapes for their earrings. Draw an arrow to match each earring shape to its correct mathematical name. One has been done for you.



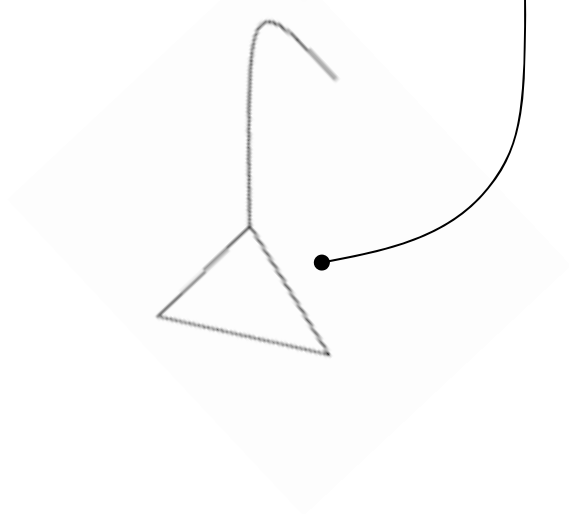
Circle



Square



Triangle



Hexagon

[2]

Turn over

6 Draw three more beads to continue this pattern.



[1]

7 (a) What is the length of this silver wire?



..... cm [1]

(b) Silver wire costs 2p for each centimetre.

What will this length of silver wire cost? p[2]

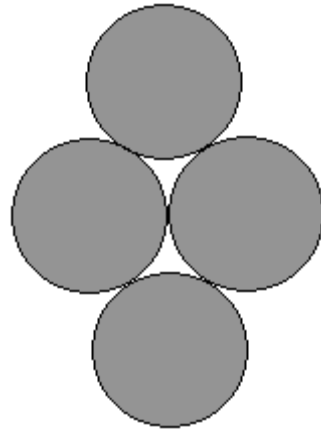
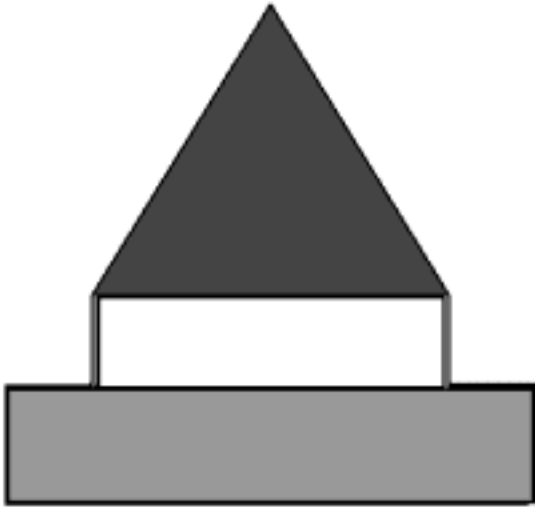
8 Carys tries some new designs for earrings. Here is one of them.

Mark clearly **one** angle on the design which is **smaller** than a right angle.



[1]

- 9 Carys and Ryan make some new earring designs. Here are two designs.



Draw in the lines of symmetry on each earring design.

[3]

- 10 Ryan buys a gold bead for 37p.

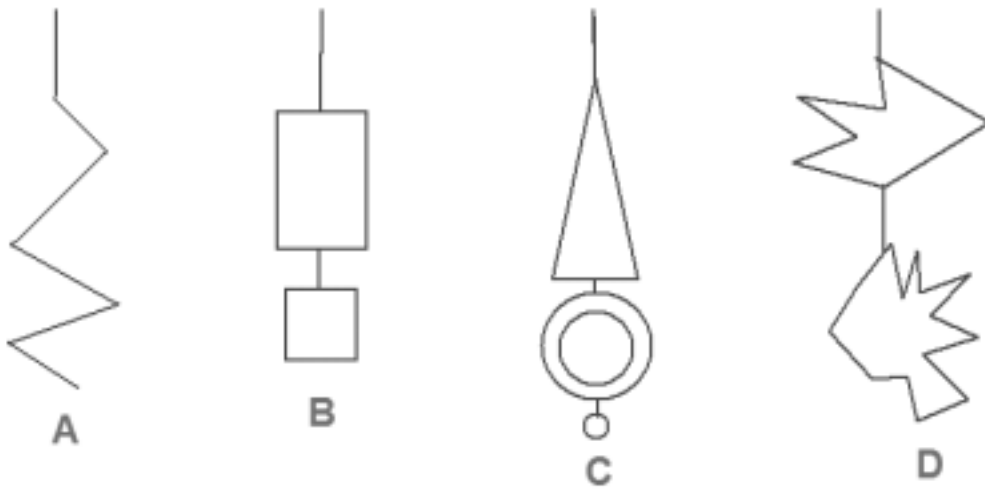
He only has these coins.



Draw a circle round the coins he could use to pay exactly 37p.

[2]

- 11 Carys and Ryan ask some friends which of these designs looks the best.



Here are the results.

A	B	B	A	B	C
B	D	D	A	C	C
C	A	D	B	C	C
C	D	A	B	C	A

- (a) Complete this tally chart.

The first six, on the top row, have already been tallied.

Design	Tally	Frequency
A	II	
B	II	
C	I	
D	I	

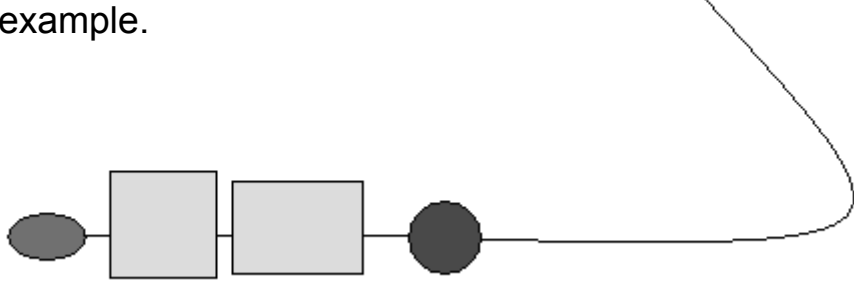
[3]

- (b) Which design do their friends think looks best?

.....

[1]

12 As well as beads, Carys and Ryan cut up sheets of silver. They make these shapes to hang onto earrings. For example.

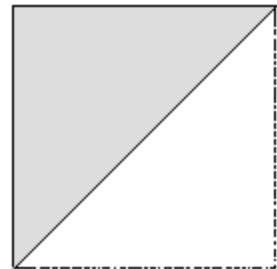


They buy the silver in square sheets like this.



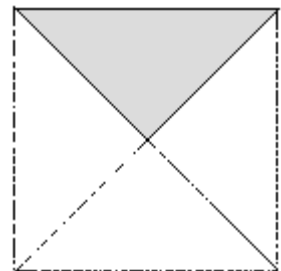
What fraction of this sheet has been **used**?

.....



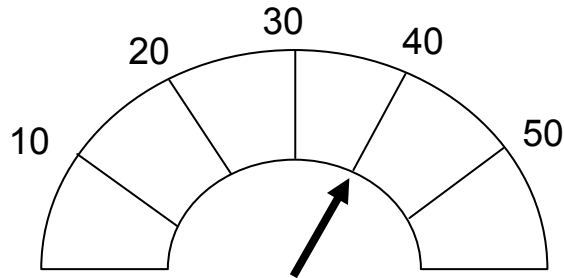
What fraction of this sheet has been **used**?

.....



[2]

- 13 a) When Carys and Ryan left home the petrol gauge showed the following amount of petrol was in the tank.

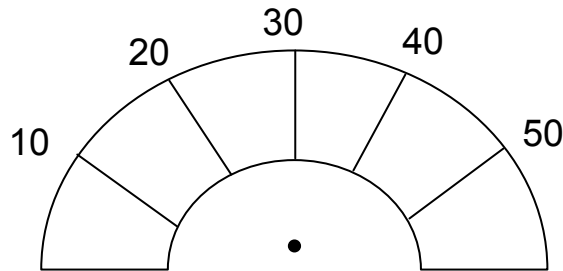


How much petrol was in the tank?

.....litres [1]

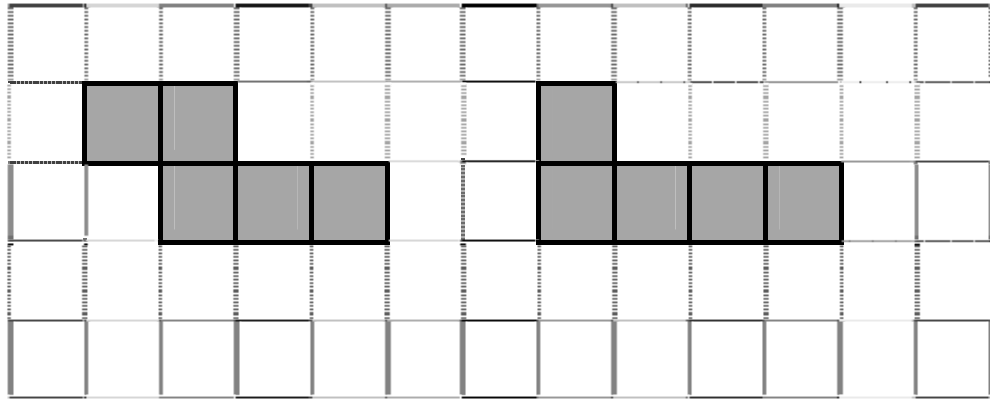
- b) When they arrived at the car boot sale they had 35 litres of petrol left in the tank.

Mark this on the petrol gauge below.

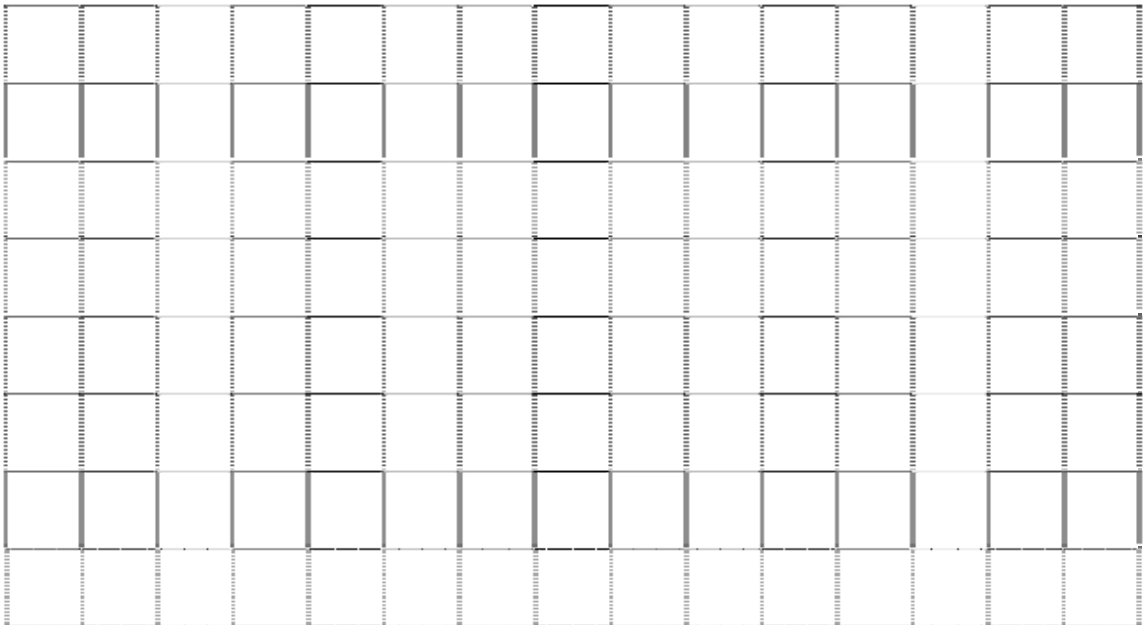


[1]

- 14 Ryan wants to design some new jewellery.
He draws these two patterns made from five squares.



Draw **three** more **different** patterns made from five squares on this dotted paper.



[2]

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