

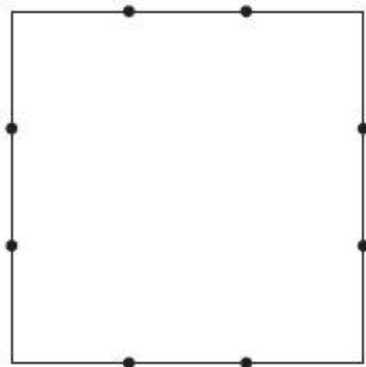
Q1.

This square has two dots on each side.

The dots are equally spaced.

Join two dots to divide the square into **two equal parts**.

Use a ruler.



1 mark

Q2.

Write the missing numbers.

$$57 + \boxed{} = 125$$

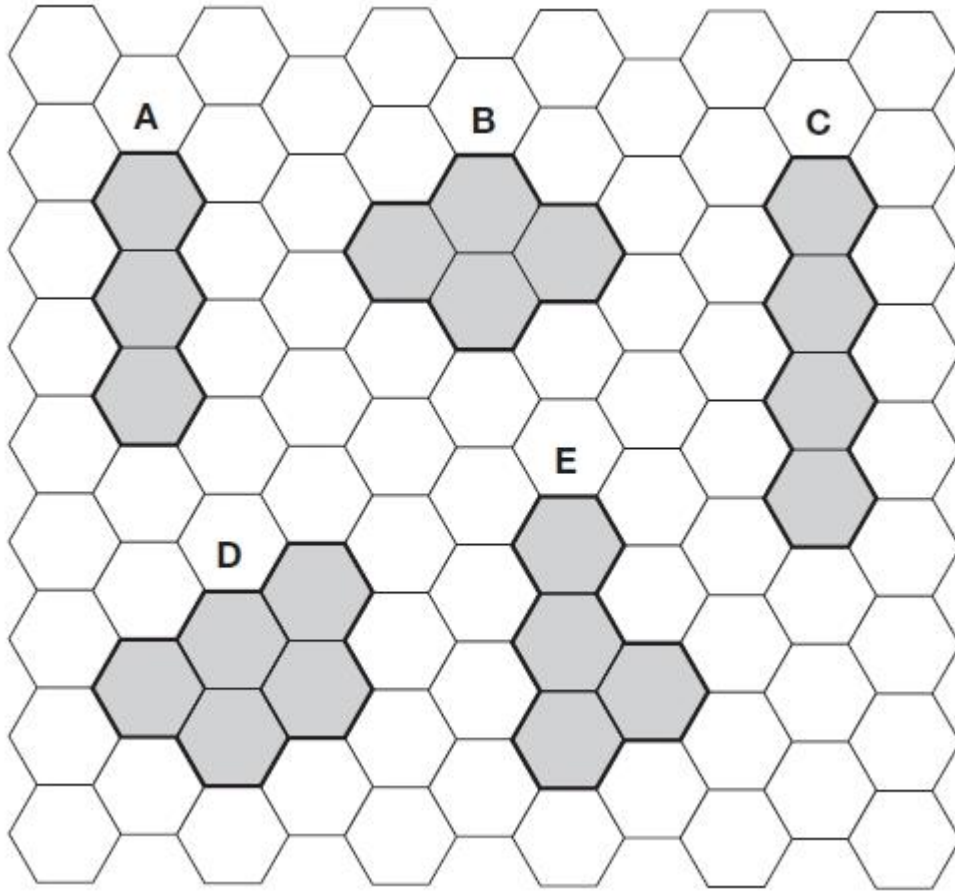
1 mark

$$5 \times \boxed{} = 175$$

1 mark

Q3.

Here are five shapes on a regular grid.



Which shape has the longest **perimeter**?

1 mark

Which shape has only one **line of symmetry**?

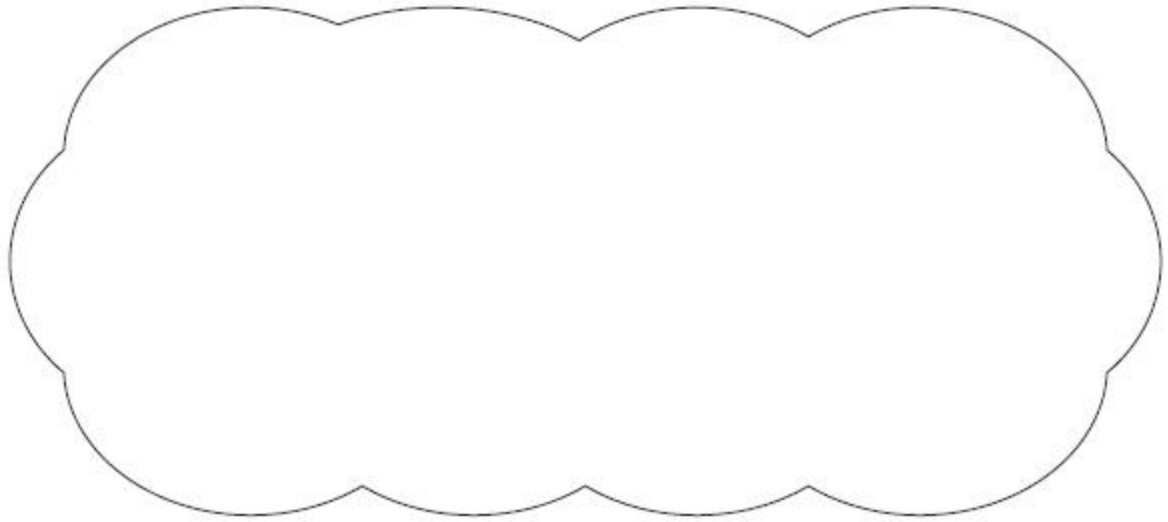
1 mark

Q4.

Circle the number which is **closer to 1000**

996 1006

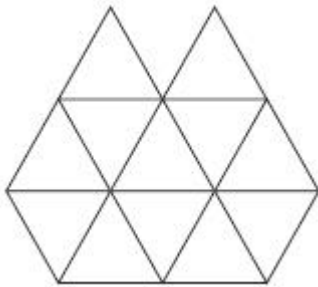
Explain how you know.



1 mark

Q5.

Shade $\frac{1}{4}$ of this shape.



1 mark

Q6.

These are the opening times at Black Tower Castle.

Monday	Closed
Tuesday to Friday	11am to 6:30pm
Saturday	10am to 6pm
Sunday	10:30am to 4:30pm

How many hours is the castle open on Saturdays?

hours

1 mark

Alfie arrived at the castle at 5pm on a Thursday.

How long could he stay before closing time?

1 mark

Q7.

Kirsty, Seb, Mina, Jack and Donna belong to a sports club.

This table shows the sports they do in one week.

	Mon	Tues	Wed	Thurs	Fri
Swimming	Kirsty Jack		Jack	Kirsty Donna	Donna
Jogging	Seb	Mina			Mina Kirsty Jack
Cycling		Kirsty Donna		Jack	Seb

How many of the children do **not** go swimming?

1 mark

Write the names of all the children who go **both** jogging **and** cycling.

1 mark

Q8.

Here are six digit cards.



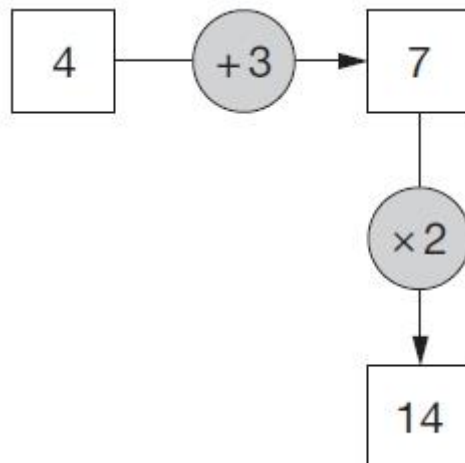
Use **four** of the cards to make this addition correct.

$$\square\square + \square\square = 40$$

1 mark

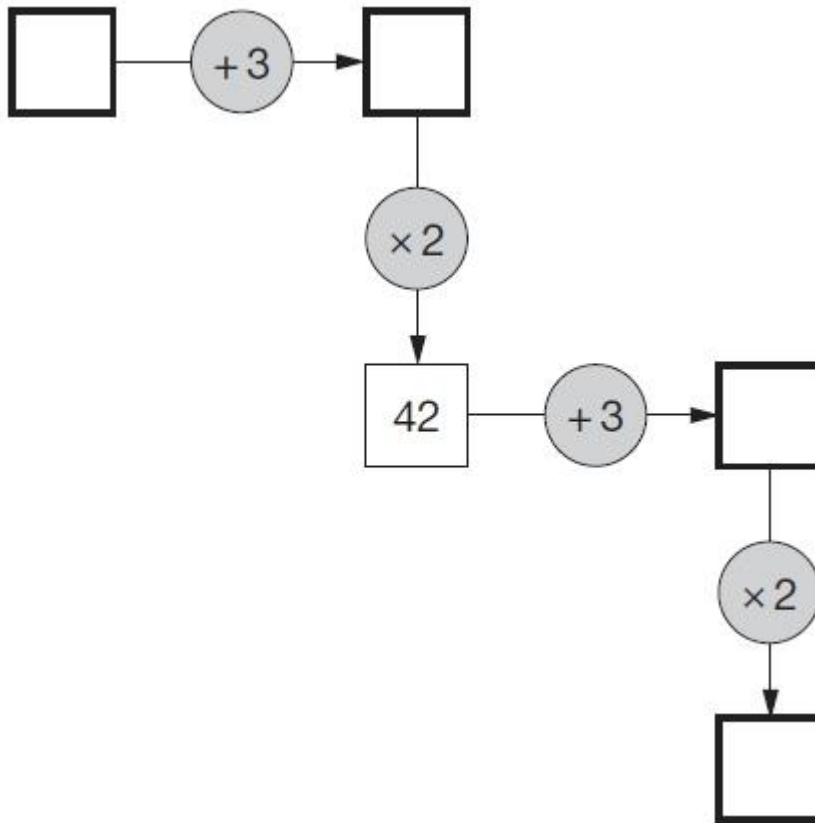
Q9.

Here is a number machine.



Here is another number machine.

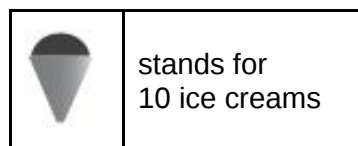
Write the four missing numbers.



2 marks

Q10.

This pictogram shows the number of ice creams a shop sold in one day.



vanilla	    
strawberry	   
chocolate	    

How many **more** chocolate than strawberry ice creams were sold?

1 mark

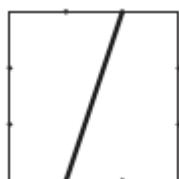
How many ice creams were sold **altogether**?

1 mark

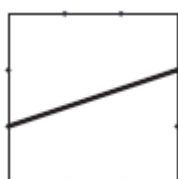
Mark schemes

Q1.

Dots joined to divide square into two congruent parts, eg



OR



Accept slight inaccuracies in drawing.
Accept more than one answer if all are correct.

U1

[1]

Q2.

(a) 68

1

(b) 35

1

[2]

Q3.

(a) C

Accept 18

1

(b) D

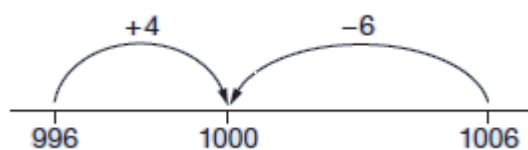
1

[2]

Q4.

996 circled, and an explanation that it is closer in value than 1006 to 1000, eg:

- '996 is 4 less than 1000, but 1006 is 6 more'
- ' $1000 - 996 = 4$, $1006 - 1000 = 6$ '
- 'It's closer by 2'
-



- 'Both end in 6 which means to the nearest ten they round up. So 996 rounds up to 1000,

but 1006 rounds up to 1010'

- '1006 is nearer 1010, but 996 is nearer 1000'
- '996 is only 4 away'.

No mark is awarded for circling 996 alone.

Do not accept vague or incomplete explanations, eg:

- '1006 is further away'
- '996 is less than 1000, but it is still closer than 1006'

If 996 is not circled, but a correct, unambiguous explanation is given, then award the mark.

U1

[1]

Q5.

Diagram completed to show three triangles shaded, or equivalent, eg



Accept inaccurate shading provided the intention is clear.

[1]

Q6.

- (a) 8 hours

1

The answer is a time interval

- (b) 1 hour 30 minutes

The answer is a time interval

1

[2]

Q7.

- (a) 2

*Accept Seb **AND** Mina.*

1

- (b) Seb **AND** Kirsty **AND** Jack

Names may be given in any order.

Accept unambiguous abbreviations or recognisable misspellings.

Do not accept 3

1

[2]

Q8.

$$\begin{array}{|c|c|} \hline 1 & 4 \\ \hline \end{array} + \begin{array}{|c|c|} \hline 2 & 6 \\ \hline \end{array} = 40$$

OR

$$\begin{array}{|c|c|} \hline 1 & 6 \\ \hline \end{array} + \begin{array}{|c|c|} \hline 2 & 4 \\ \hline \end{array} = 40$$

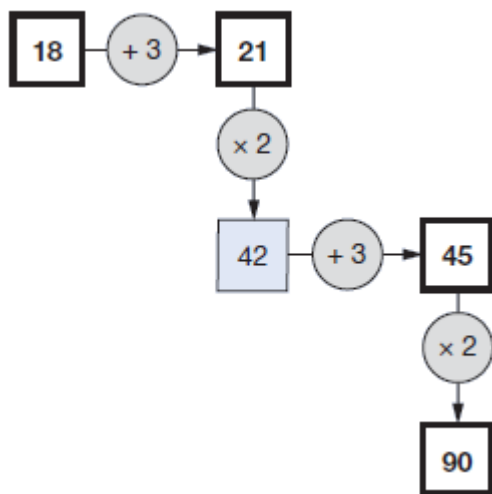
Numbers may be given in either order.

U1

[1]

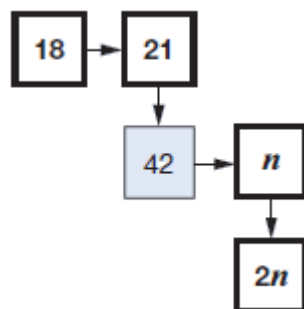
Q9.

Award **TWO** marks for all four numbers correct as shown:

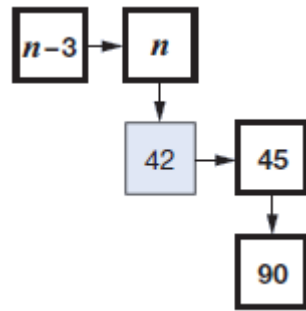


If the answer is incorrect, award **ONE** mark for three numbers correct.

*If the answer is incorrect, award **ONE** mark for two numbers correct **AND** two numbers appropriately linked, ie*



OR



where n is any number.

Up to 2

[2]

Q10.

(a) 15

1

(b) 130

1

[2]