

Q1.

A book has five stories in it.

This is the contents page.

Contents	
	page
Rocket Ship	5
Night Journey	17
Secret Palace	25
Jack	41
Deep Water	59

Deep Water finishes on page 68

Which is the longest story?

1 mark

Q2.

Here is a Carroll diagram for sorting numbers.

Write these **five** numbers in the correct places on the diagram.

25 247 7002 49 990

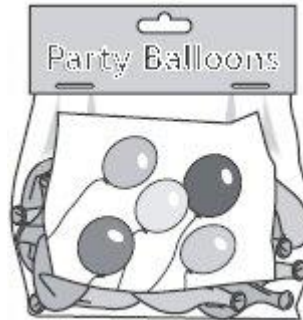
	odd	not odd
a 3-digit number		
not a 3-digit		

number		
--------	--	--

2 marks

Q3.

Sarah has a packet of balloons.



The contents of the packet are

5 red balloons
5 blue balloons
10 yellow balloons

Sarah says,

'One-quarter of the balloons are red'.

Is Sarah correct?
Circle **Yes** or **No**.

Yes / No

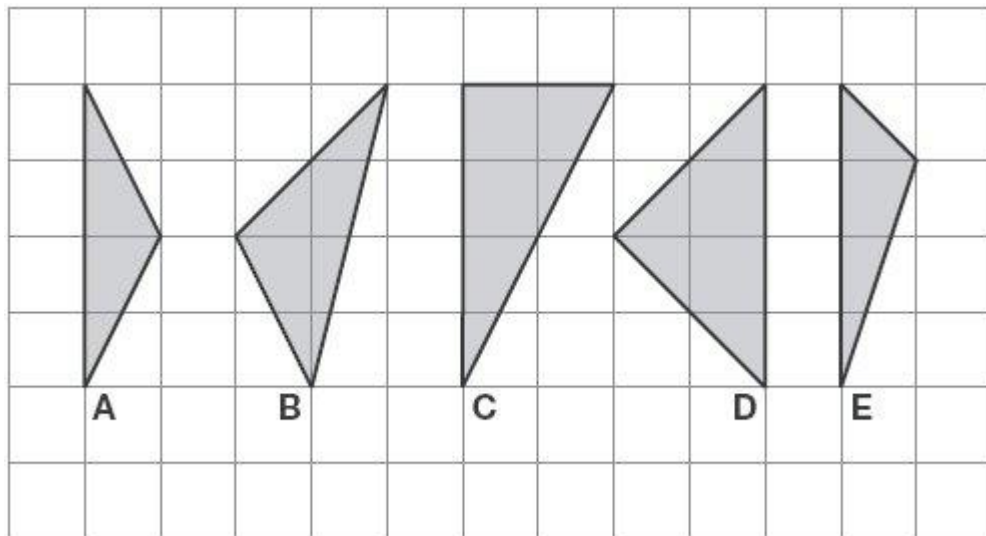
Explain how you know.

A large, empty, cloud-shaped box with a scalloped border, intended for the student to write their explanation.

1 mark

Q4.

Here are five shaded triangles on a square grid.



Write the letter of each triangle that has a **right angle**.

1 mark

Write the letter of each triangle that has **two equal sides**.

1 mark

Q5.

What's my number?

?	?	?
---	---	---

It is a three-digit number.

All the digits are odd.

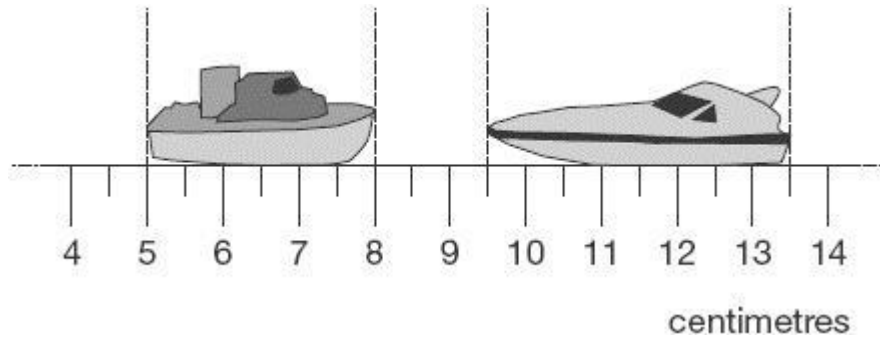
The digits add up to 7

What could my number be?

1 mark

Q6.

Here are two model boats on a centimetre scale.



centimetres

Actual size

How far apart are the boats?

cm

1 mark

What is the **difference** in the lengths of the two boats?

cm

1 mark

Q7.

Joe goes skating every Saturday.

He went skating on Saturday January 1st.

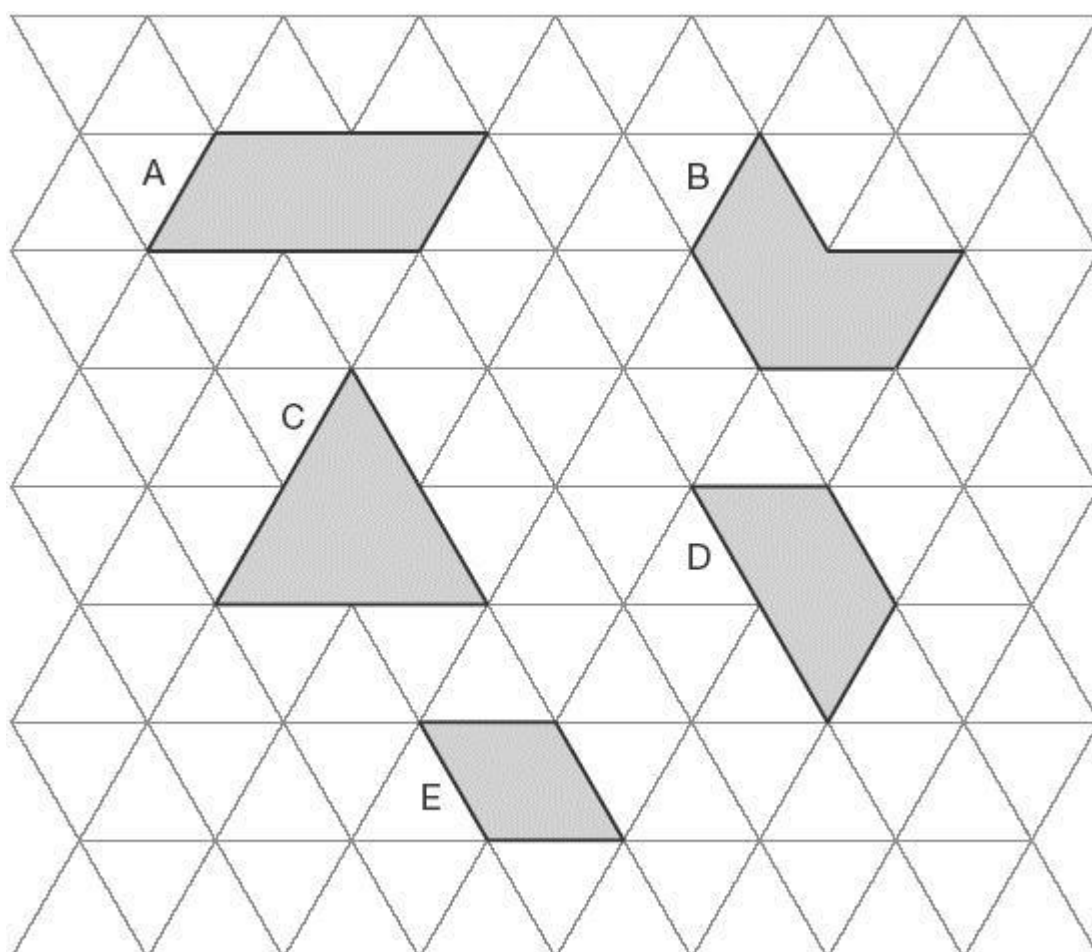


Altogether, how many times did Joe go skating in January?

1 mark

Q8.

Here are five shapes made from equilateral triangles.



Write the letter of the shape that is a **rhombus**.



1 mark

Write the letter of the shape that has only **one** pair of parallel sides.

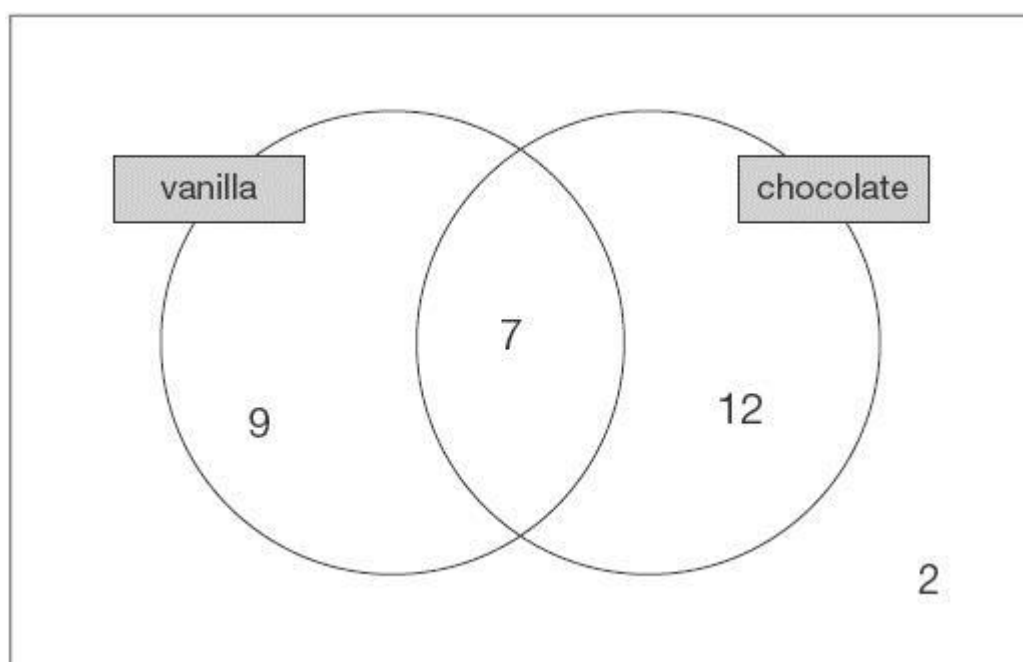


1 mark

Q9.

Joe asked the children in his class which flavours of ice-cream they like.

He recorded the results in a Venn diagram.



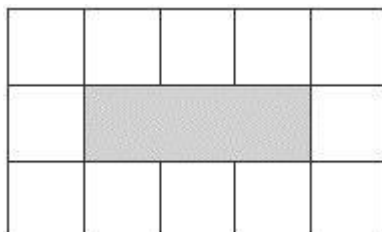
How many children like chocolate ice-cream?

1 mark

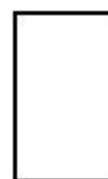
How many children **do not** like vanilla ice-cream?

Q10.

This diagram shows a shaded rectangle surrounded by squares.



What fraction of the diagram is shaded?



1 mark

Mark schemes

Q1.

Jack

Accept unambiguous abbreviations or recognisable misspellings.

[1]

Q2.

Award **TWO** marks for the table completed as shown:

	odd	not odd
a 3-digit number	247	990
not a 3-digit number	25 49	7002

If the answer is incorrect, award **ONE** mark for four numbers placed correctly.

Do not accept numbers written in more than one section.

Up to 2

[2]

Q3.

An explanation which recognises that 5 is a quarter of 20, the total number of balloons, eg:

- $\frac{1}{4}$ are red, $\frac{1}{4}$ are blue and half are yellow'
- 'A quarter of 20 is 5'
- '5 out of 20'
- 'There are 20 balloons altogether and 5 are red so she is correct'.

No mark is awarded for circling 'Yes' alone.

Do not accept vague or incomplete explanations, eg:

- '5 are red, 5 are blue and 10 are yellow so that is a quarter'
- 'There are 20 altogether'
- 'Add all the balloons up and divide by 4'

If 'No' is circled but a correct, unambiguous explanation is given, then award the mark.

U1

[1]

Q4.

(a) C AND D

Letters may be given in either order.

1

(b) A AND D

Letters may be given in either order.

1

[2]

Q5.

115 OR 151 OR 511

OR

133 OR 313 OR 331

U1

[1]

Q6.

(a) $1\frac{1}{2}$ OR 1.5

1

(b) 1

1

[2]

Q7.

5

Do not accept a list of dates.

[1]

Q8.

(a) E

1

(b) D

1

[2]

Q9.

(a) 19

1

(b) 14

1

[2]

Q10.

$$\frac{1}{5}$$

Accept equivalent fractions, eg $\frac{3}{15}$
Accept 0.2 **OR** 20%

[1]