

1

Write these numbers in order of size, starting with the smallest.



901

1091

910

109

190



smallest

1 mark

1

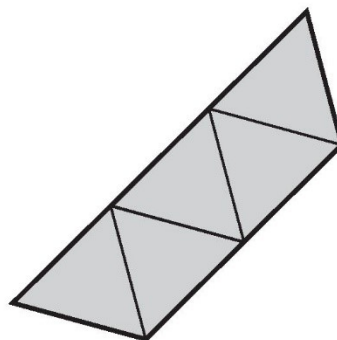
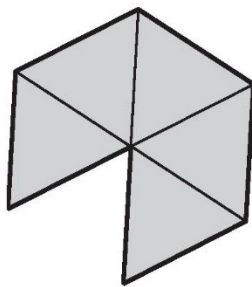
2

These two shapes are made from equilateral triangles.



Draw **one** line of symmetry on each shape.

Use a ruler.



1 mark

2

3

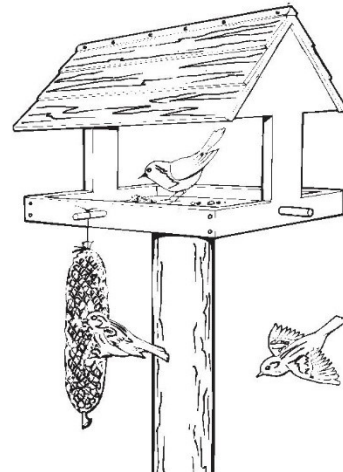
Rosie collects data about birds visiting a bird table.



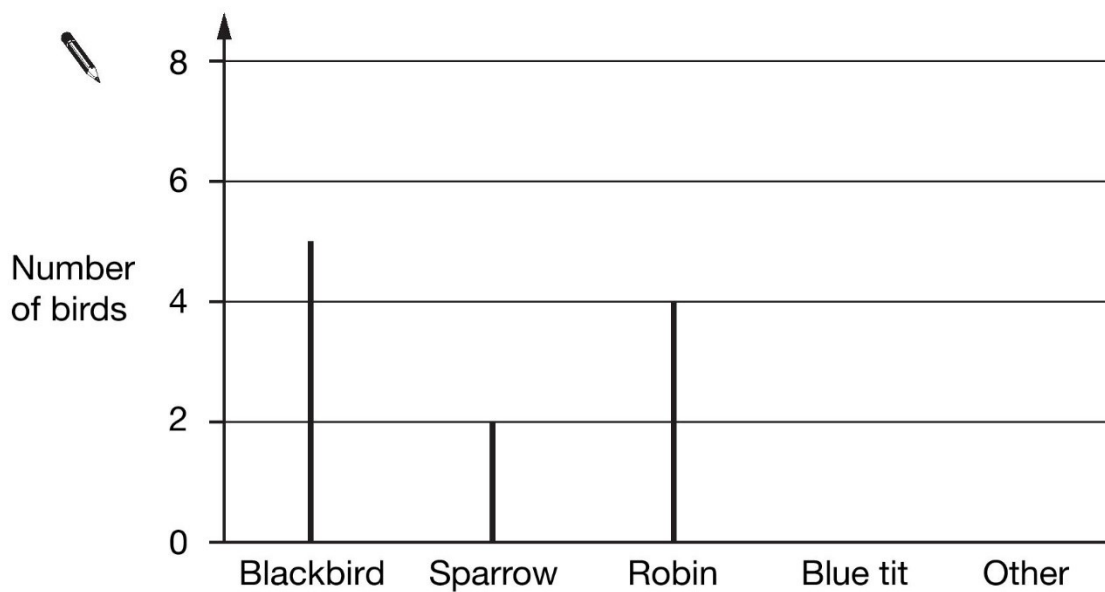
Here are her results.



Blackbird	
Sparrow	
Robin	
Blue tit	
Other	



Draw **two** more lines to complete the graph.



3a

1 mark

Rosie saw **20 birds** altogether.

What **fraction** of the birds were blackbirds?

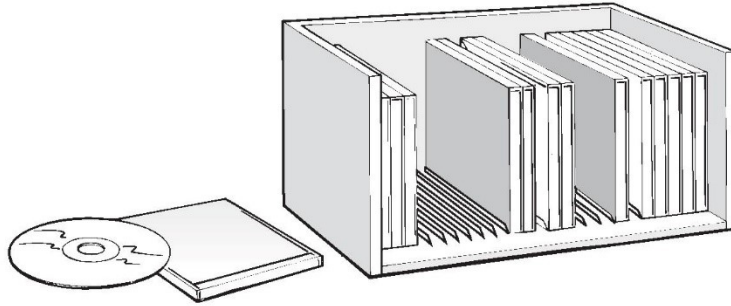


3b

1 mark

4

Here is a CD rack.



One rack holds **25** CDs.

David has **83** CDs.

How many racks does he need to hold **all** his CDs?



4a

1 mark

Lin has **6** racks **full** of CDs.

How many CDs does Lin have altogether?

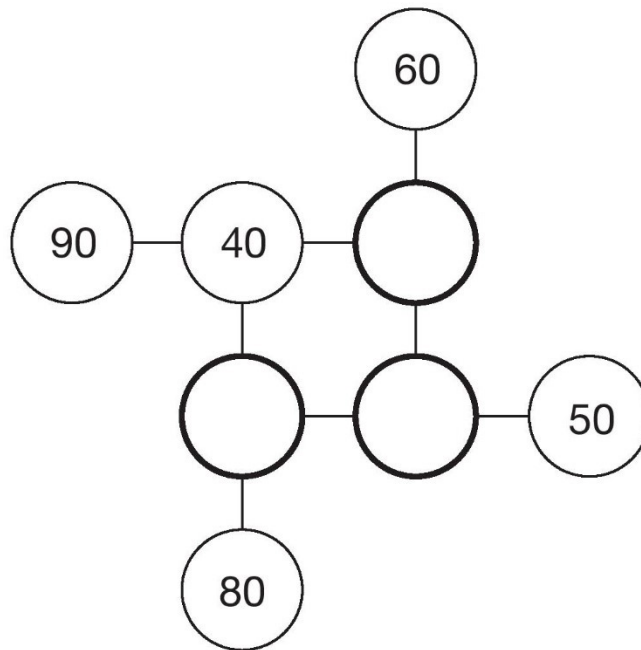


4b

1 mark

5

Complete this diagram so that the three numbers in each line add up to **150**



5

1 mark

6

A clock shows this time.



How long is it from this time until 5pm?




6a

1 mark

What time was it quarter of an hour before the time on the clock?


 pm

6b

1 mark

7

Lin needs to solve this problem.



***'How many children  
are in the class?'***



Tick (✓) **all** the information that Lin needs to solve her problem.


☐

There are 9 girls in the class.

☐

5 girls in the class wear glasses.

☐

There are twice as many boys as girls in the class.

7a

1 mark

David needs to solve this problem.

***'How much do two oranges and  
one apple cost?'***



Tick (✓) **all** the information that David needs to solve his problem.


☐

An orange costs 5p more than an apple.

☐

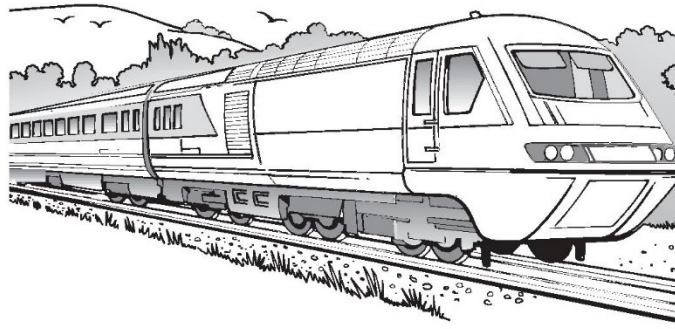
An apple costs 20p

☐

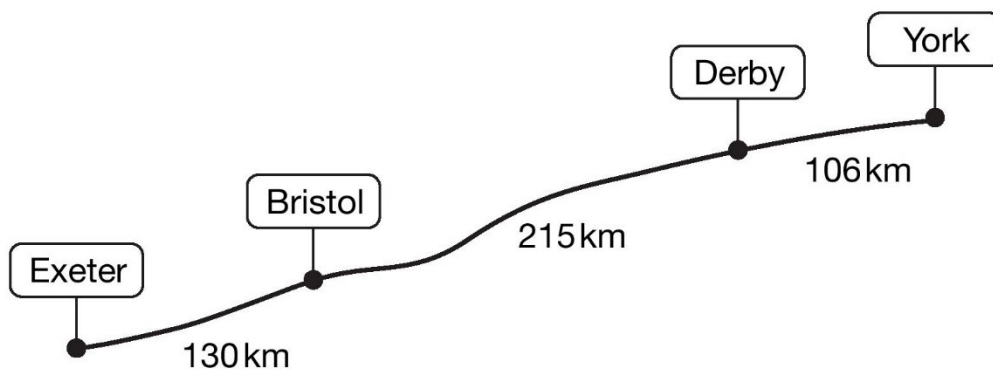
David has £1

7b

1 mark



The diagram shows distances on a train journey from Exeter to York.



How many kilometres is it altogether from **Exeter** to **York**?



8a

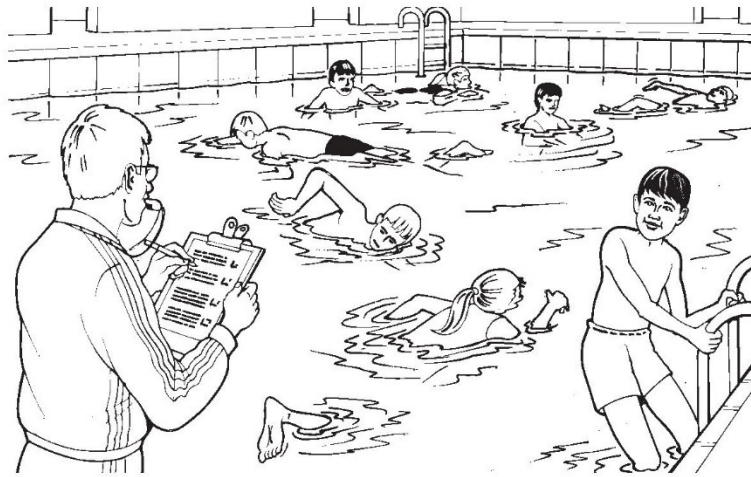
1 mark

What is the distance from **Derby** to **York** rounded to the nearest 10km?

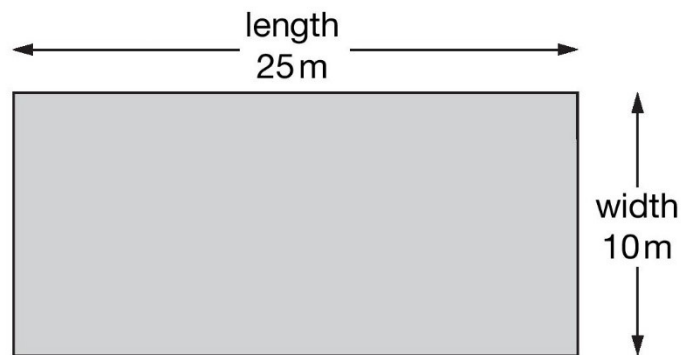


8b

1 mark



A rectangular swimming pool is 25 metres long and 10 metres wide.



David swims **5 lengths**.

Rosie swims **12 widths**.

How much **further** does David swim than Rosie?

Show your **working**.  
You may get a mark.

metres

9i

9ii

2 marks

10

Calculate  $2006 - 289$ 

10

1 mark

11

Match each decimal number to its equivalent fraction.



One has been done for you.



0.25

 $\frac{3}{4}$ 

0.4

 $\frac{2}{10}$ 

0.75

 $\frac{1}{4}$ 

0.2

 $\frac{2}{5}$ 

11

1 mark

11

Total out of 4 \_\_\_\_\_



12

Five children have ticked this table to show on which days they are free to go out.

	Emma	David	Lin	Jack	Rosie
Mon		✓	✓		✓
Tue	✓		✓	✓	
Wed		✓			✓
Thu			✓	✓	✓
Fri	✓	✓			✓

On how many days are **more than two** children free to go out?




12a

1 mark

On which days are Lin and Rosie both free to go out together?




12b

1 mark

13

Write these numbers in the correct places on the diagram.

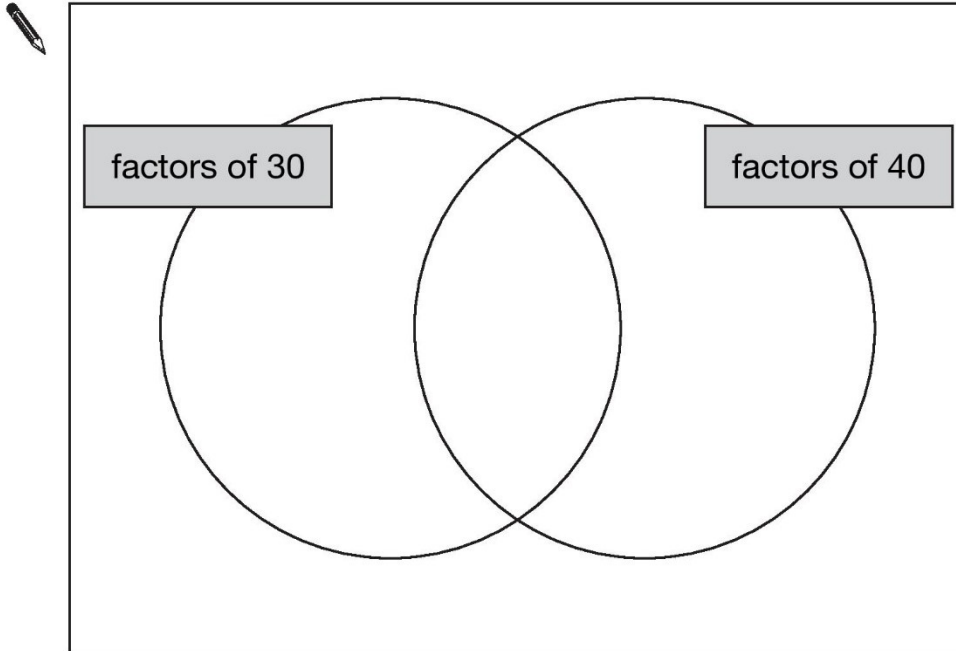


5

6

7

8



13i

13ii

2 marks

13

Total out of 4 \_\_\_\_\_

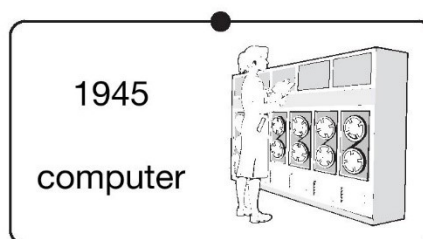
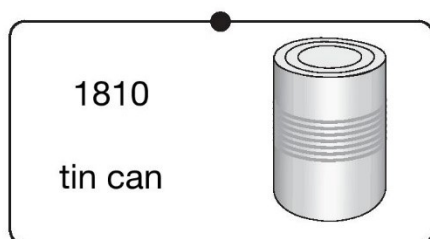
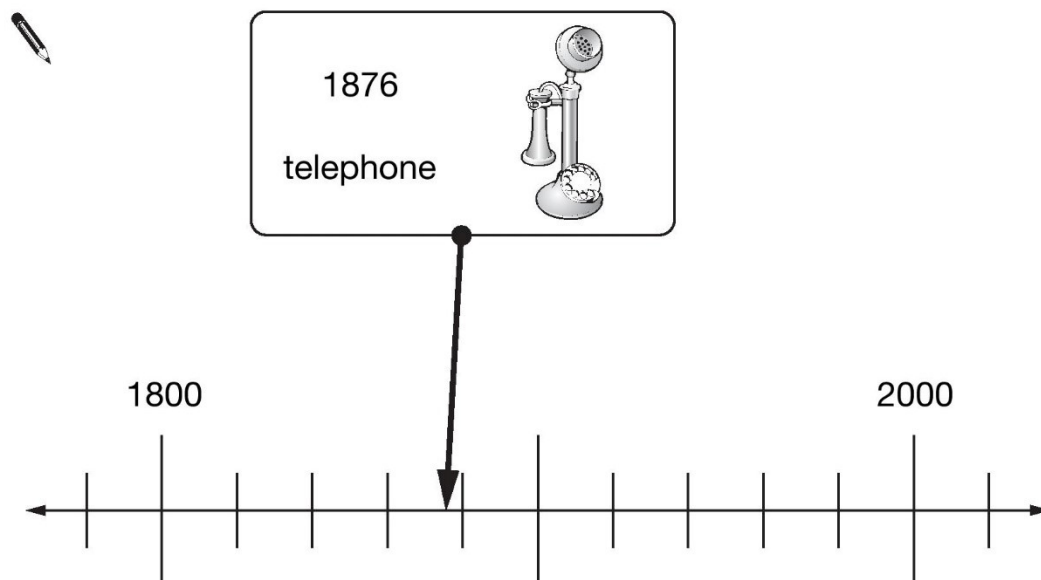
14

Here is part of a time line.



Draw a line from each invention to the correct point on the time line.

One has been done for you.



14a

1 mark

14b

1 mark

15

Here is a number chart.

Every third number in the chart has a circle on it.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22			

The chart continues in the same way.

Here is another row in the chart.

Draw the missing circles.

71	72	73	74	75
----	----	----	----	----

15a

1 mark

Will the number **1003** have a circle on it?  
Circle **Yes** or **No**.

 Yes / No

Explain how you know.

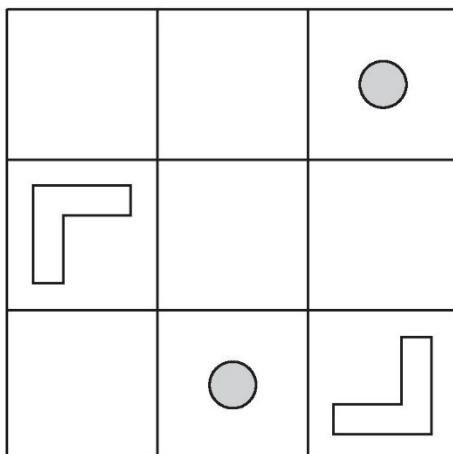


15b

1 mark

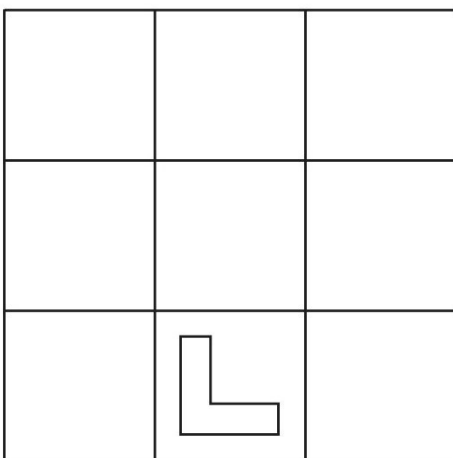
16

There are four shapes on this diagram.



The diagram is turned to the new position below.

Draw the three missing shapes.



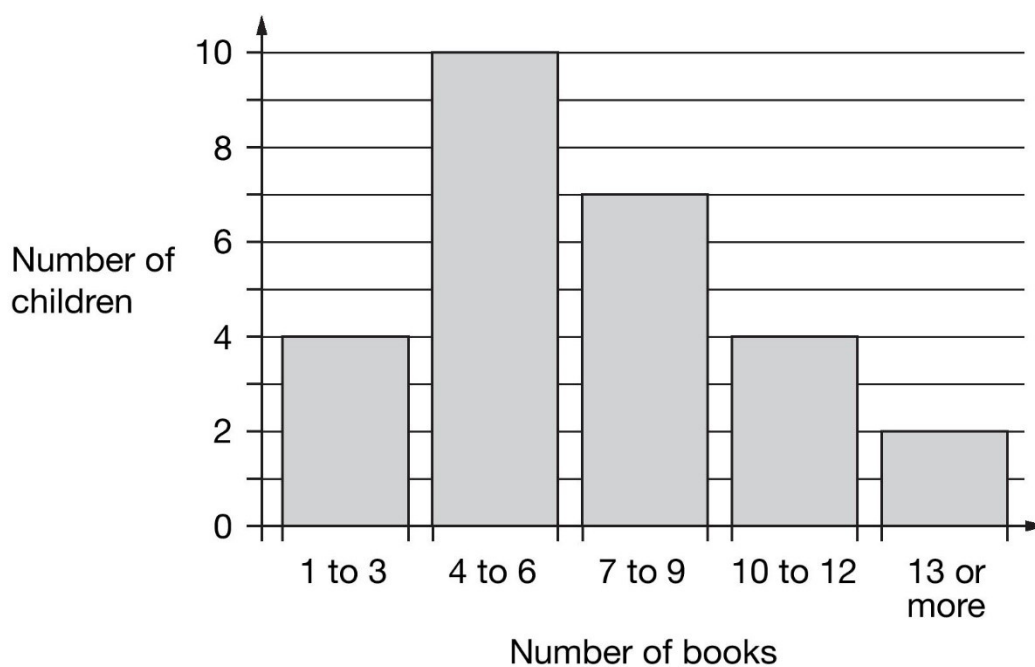
16i

16ii

2 marks

17

This chart shows the number of books some children read last month.



How many children altogether read **more than 9 books**?




17a

1 mark

7 children read 4 books.

1 child read 5 books.

Lin says,

***'That means 2 children read 6 books'.***

Explain how she can work this out from the chart.




17b

1 mark

18

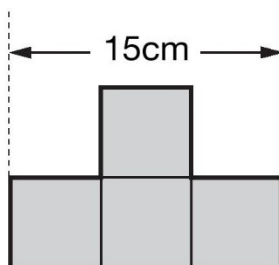
Calculate  $52.85 + 143.6$ 


18

1 mark

19

This shape is made from 4 shaded squares.



Not  
actual size

Calculate the perimeter of the shape.



Show  
your **working**.  
You may get  
a mark.


 cm

19i

19ii

2 marks

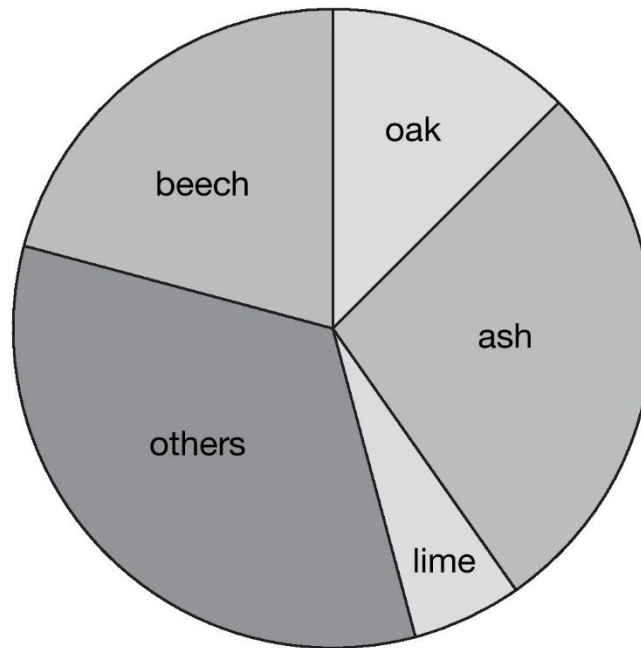
20



Class 6 did a survey of the number of trees in a country park.



This pie chart shows their results.



Estimate the **fraction** of trees in the survey that are **oak** trees.



20a

1 mark

The children counted 60 **ash** trees.

Use the pie chart to estimate the **number** of **beech** trees they counted.



20b

1 mark

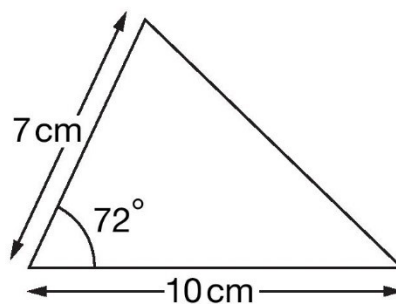


21

Here is a sketch of a triangle.



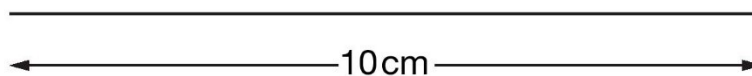
It is not drawn to scale.



Draw the full-size triangle **accurately** below.

Use a protractor (angle measurer) and a ruler.

One line has been drawn for you.



21i

21ii

2 marks

22

Calculate  $848 \div 16$ 

Show  
your **working**.  
You may get  
a mark.



22i

22ii

2 marks

23

 $k$  stands for a whole number. $k + 7$  is greater than 100 $k - 7$  is less than 90Find **all** the numbers that  $k$  could be.


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23i

23ii

2 marks