Key Stage 2 2006

MATHEMATICS

Modified Large Print

Test A
Levels 3-5

CALCULATOR NOT ALLOWED

First name _____

Last name _____

School _____

Note to markers:
This paper should be marked using the MODIFIED LARGE PRINT mark scheme amendments.



Lin



David



Rosie

Instructions

You may not use a calculator to answer any questions in this test.

Work as quickly and as carefully as you can.

You have 45 minutes for this test plus your additional time allowance.

If you cannot do one of the questions, go on to the next one. You can come back to it later, if you have time.

If you finish before the end, go back and check your work.

Follow the instructions for each question carefully.

If you need to do working out, you can use any space on a page.

Some questions say 'Show your working. You may get a mark.'

For these questions you may get a mark for showing your working.

1. **Look at the list of five numbers below.**

901 1091 910 109 190

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

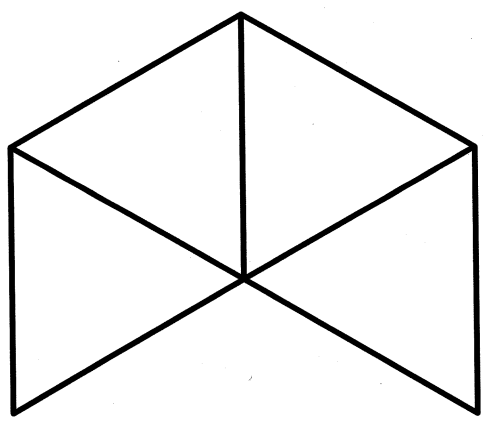
_____

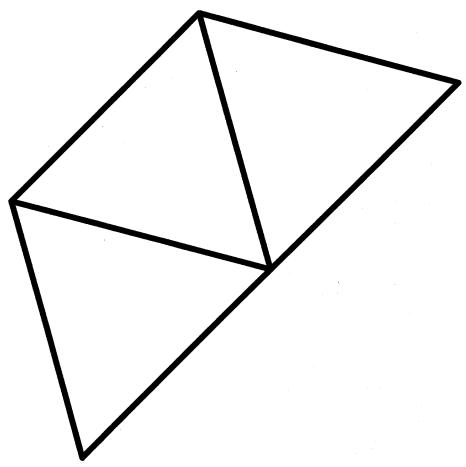
smallest

2. **The two shapes below are made from equilateral triangles.**

Draw one line of symmetry on each shape.

Use a ruler.



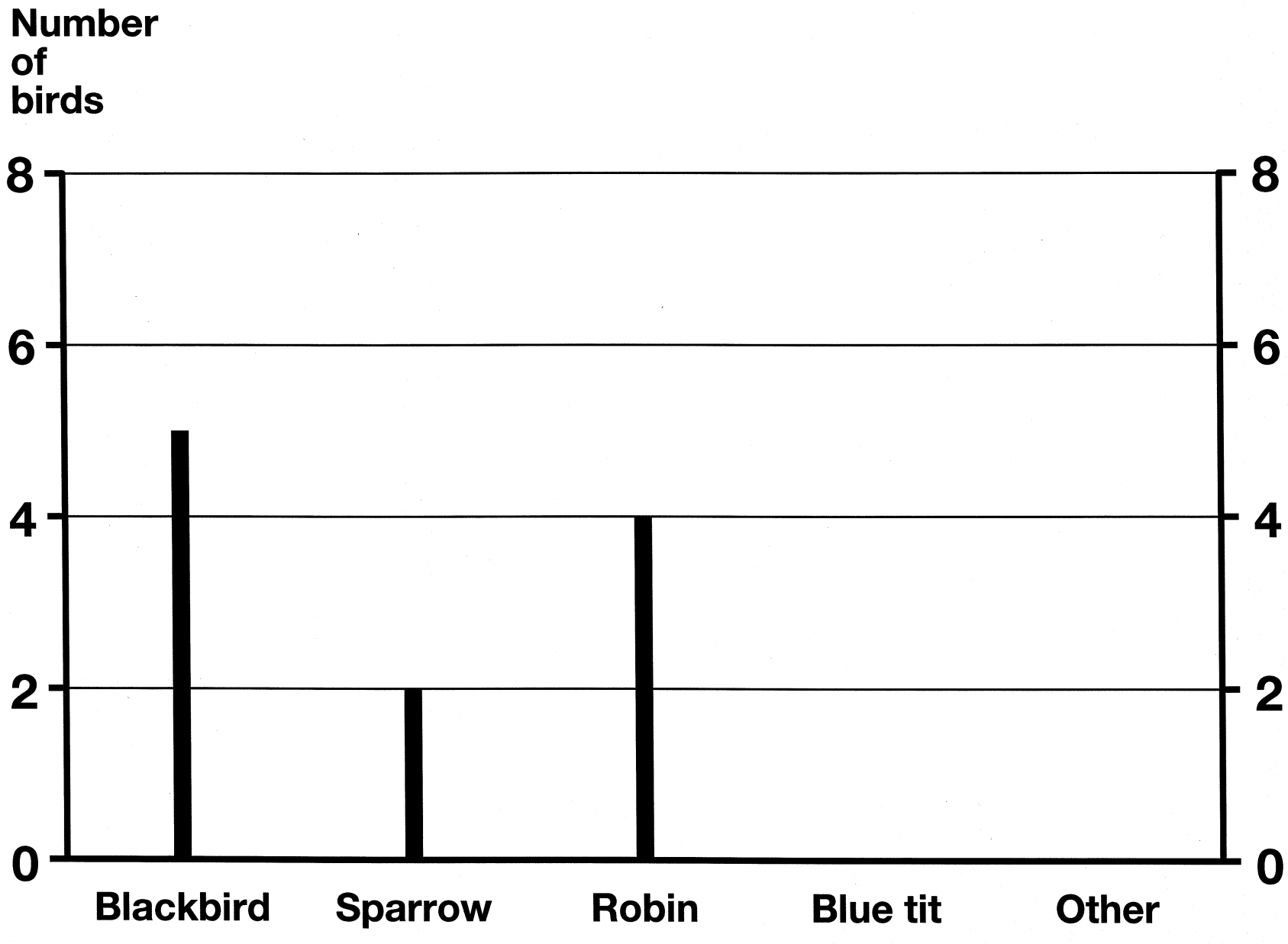


3. **Rosie collects data about birds visiting a bird table.**

Her results are shown in the table below.

Blackbird	5
Sparrow	2
Robin	4
Blue tit	3
Other	6

Draw two more lines to complete the graph on the opposite page.



20 birds altogether visited the bird table.

What fraction of the birds were blackbirds?

4. One CD rack holds 25 CDs.

David has 83 CDs.

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

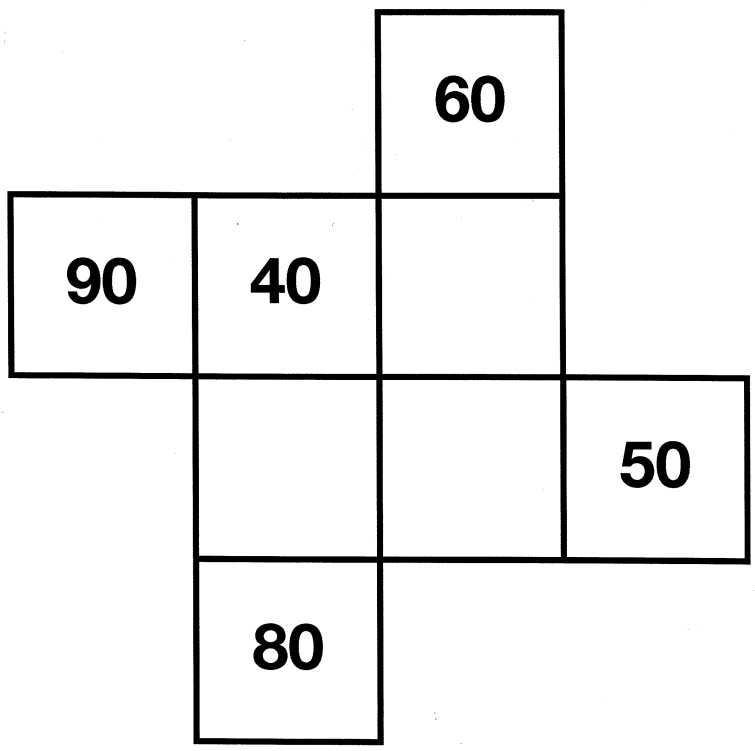
_____

Lin has 6 racks full of CDs.

How many CDs does Lin have altogether?

_____

5. **Fill in the empty boxes in the diagram below, so that the three numbers in each line add up to 150**



6. **The time shown on a clock is 3:40pm**

How long is it from this time until 5pm?

_____

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

_____ **pm**

7. **Lin needs to solve a problem.**

The problem is:

How many children are in the class?

Look at the three pieces of information below.

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. ☐

David needs to solve a problem.

The problem is:

How much do two oranges and one apple cost?

Look at the three pieces of information below.

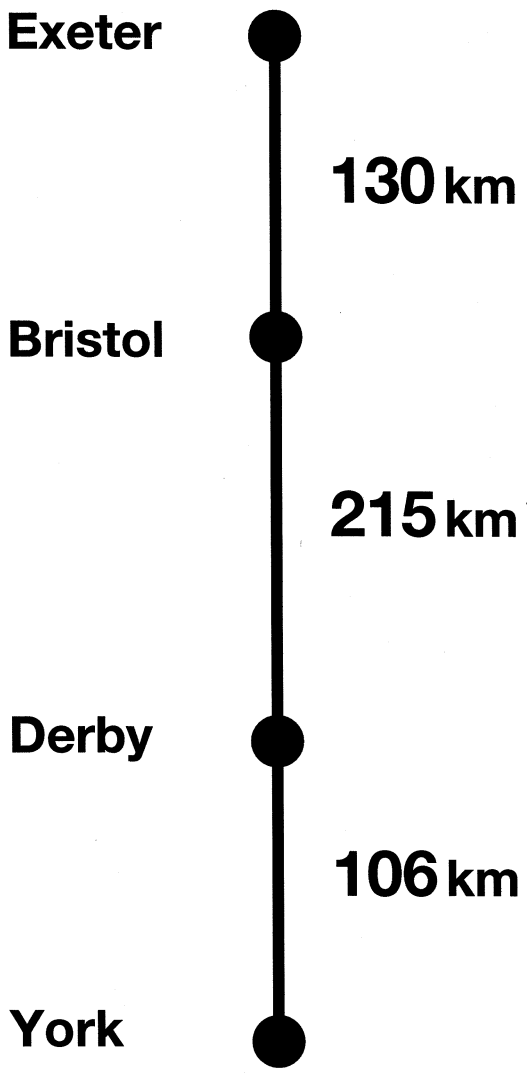
Tick (✓) all the information that David needs to solve his problem.

An orange costs **5p** more than an apple. ☐

An apple costs **20p** ☐

David has **£1** ☐

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



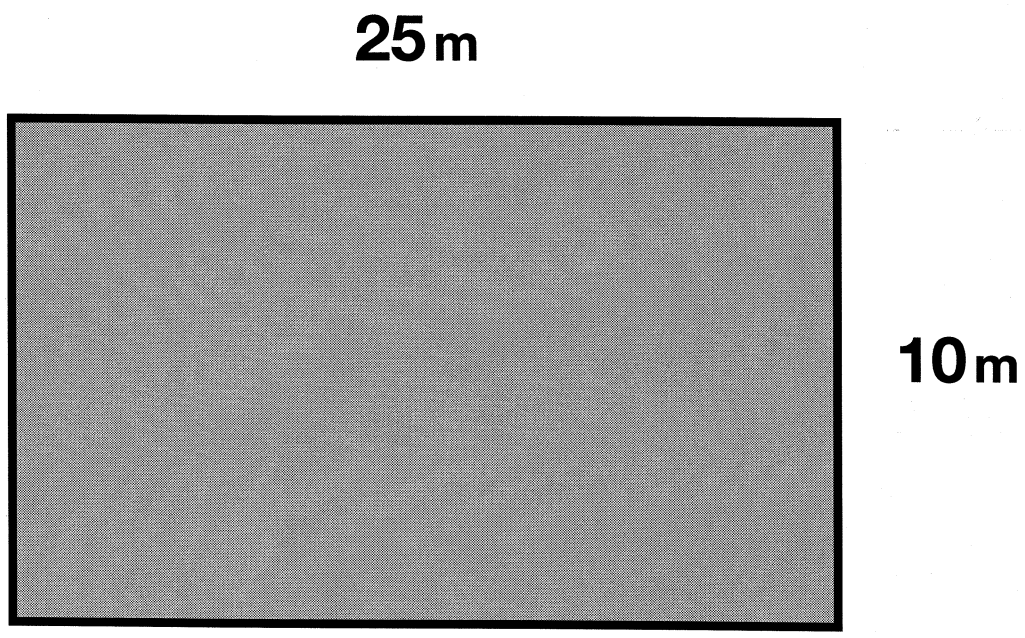
How many kilometres is it altogether from Exeter to York?

_____ **km**

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

_____ **km**

9. **A diagram of a rectangular swimming pool is drawn below.**



The length of the pool is 25 m.
The width of the pool is 10 m.

David swims 5 lengths.

Rosie swims 12 widths.

How much further does David swim than Rosie?
Show your working. You may get a mark.

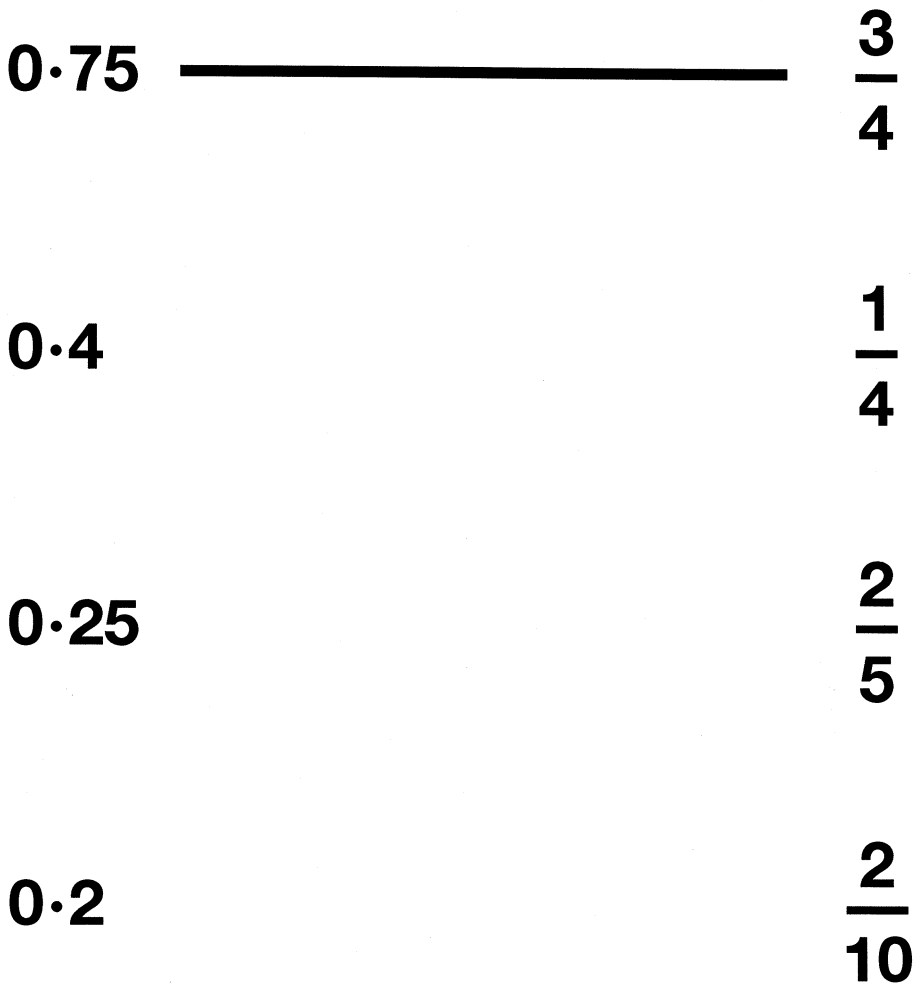
_____ **metres**

10. Calculate **2006 − 289**

_____

11. **Look at the diagram below.**
Draw a line from each decimal number to the equivalent fraction.

One has been done for you.



12. **Four children have ticked the table below to show on which days they are free to go out.**

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

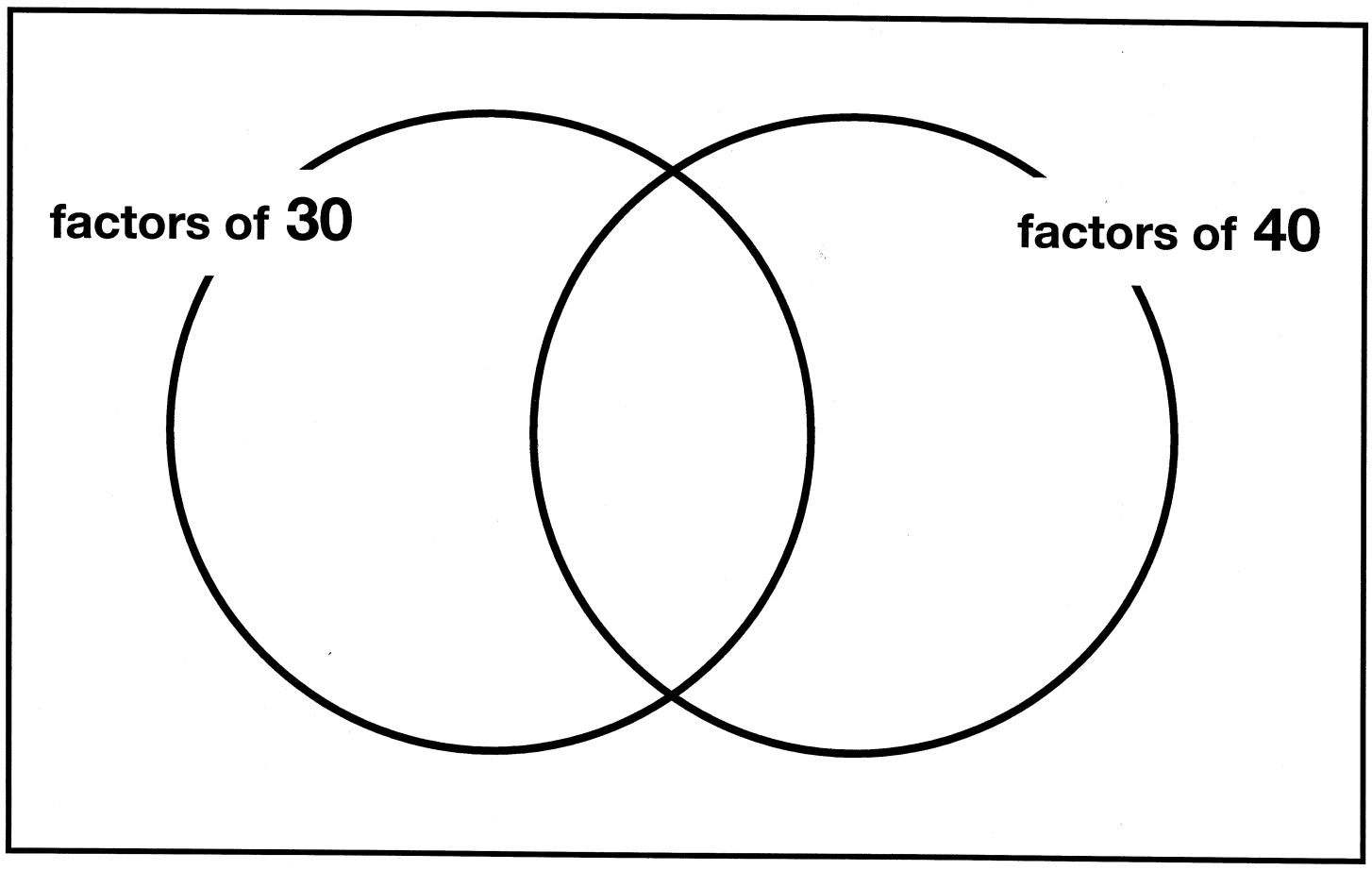
On how many days are more than two children free to go out?

_____

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

_____

13. **Look at the diagram below.**



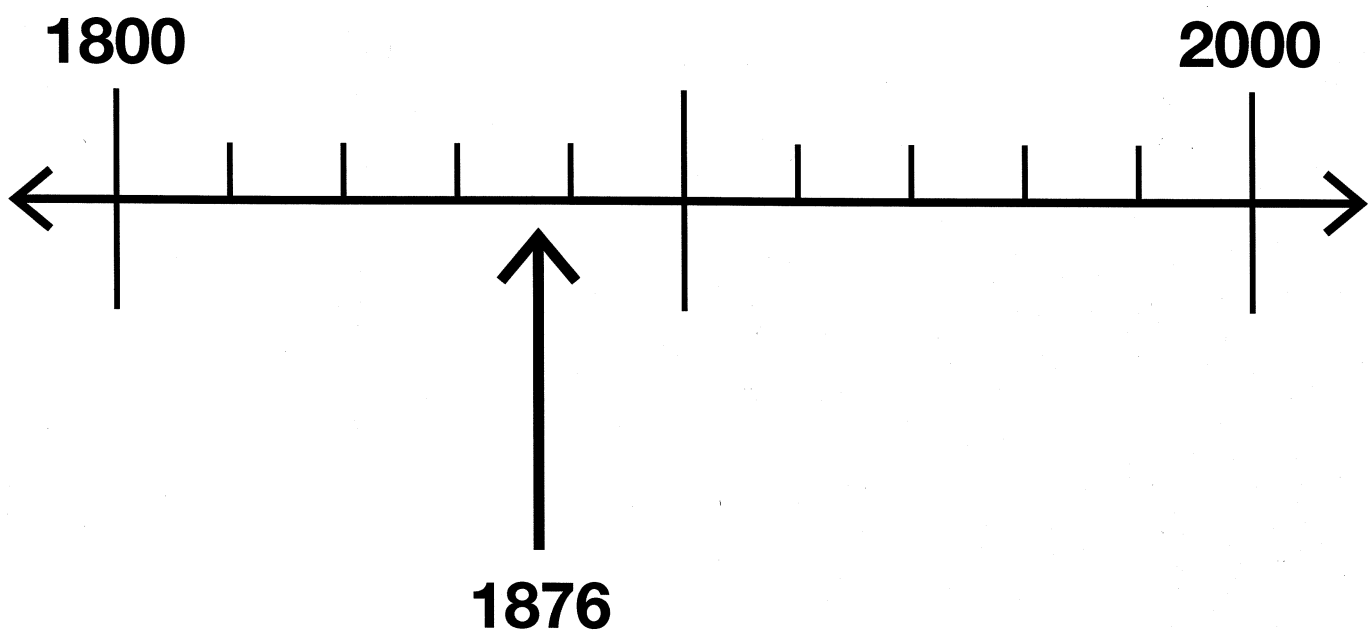
Now look at this list of four numbers.

5 6 7 8

Write each of these numbers in the correct place on the diagram.

14. **Look at part of a time line below.**

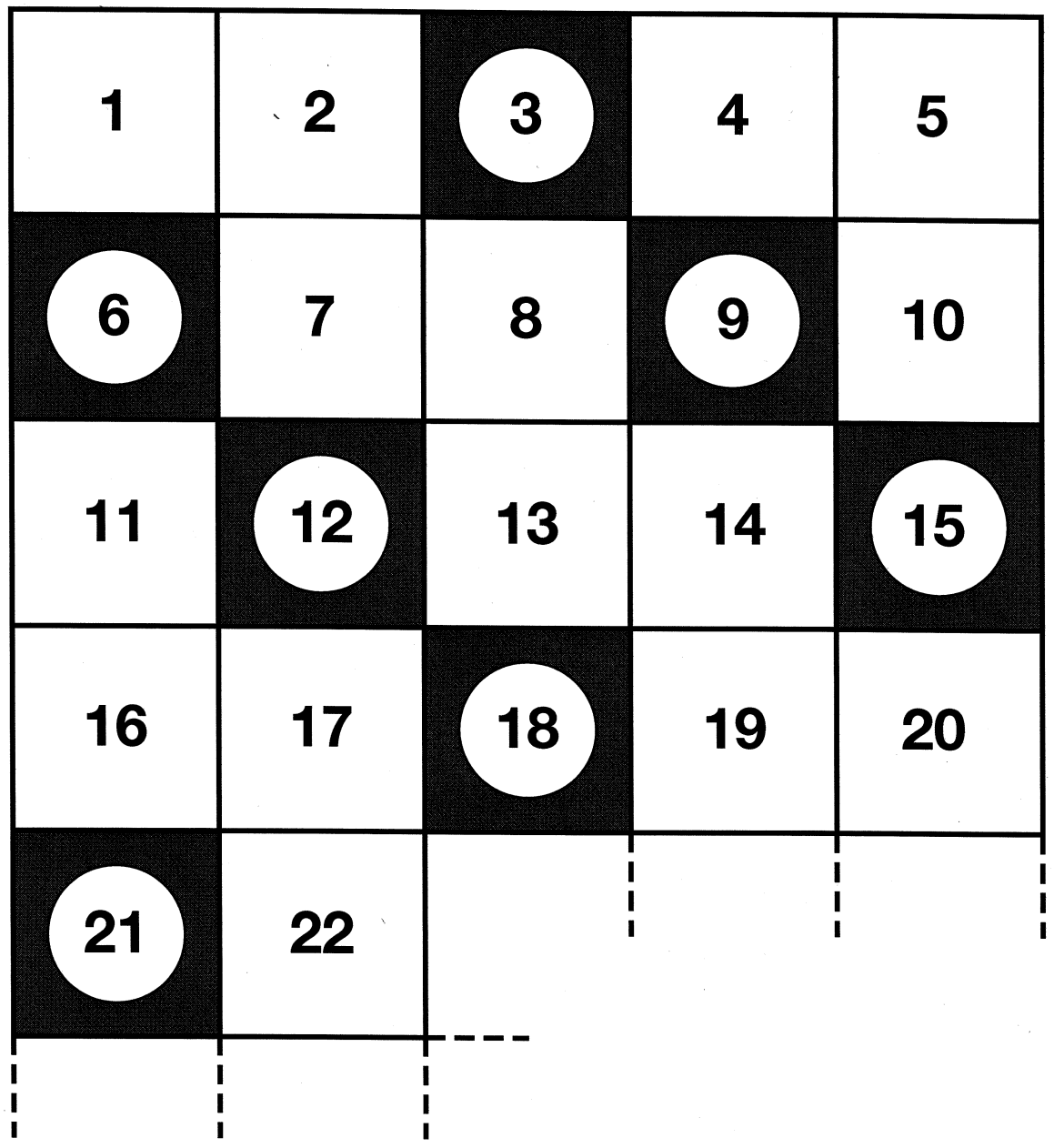
The year 1876 is shown by an arrow.



Mark the years 1810 and 1945 on the time line as accurately as you can.

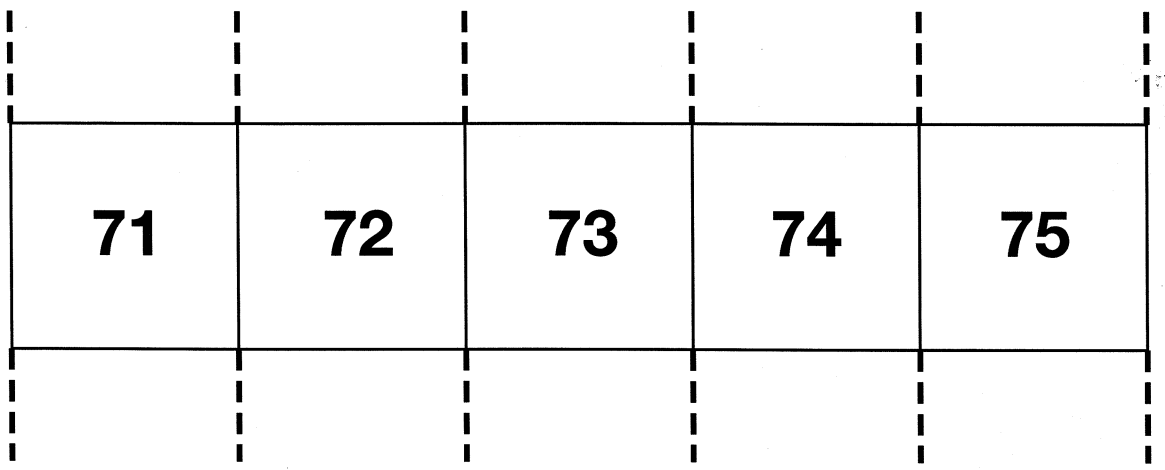
15. **Look at the number chart below.**

Every third number in the chart is inside a circle.



The chart continues in the same way.

Another row in the chart is shown below.



Which numbers should be inside a circle?

_____

Will the number **1003** be inside a circle?

Write **Yes** or **No**. _____

Explain how you know.

_____

_____

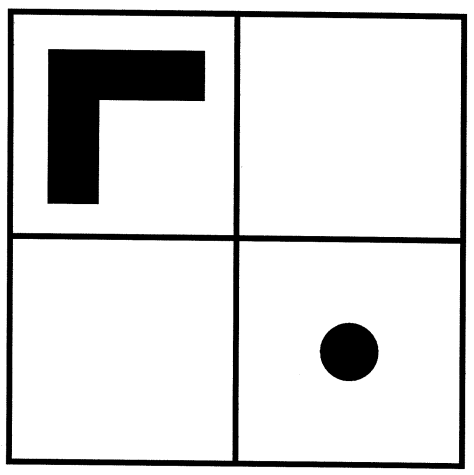
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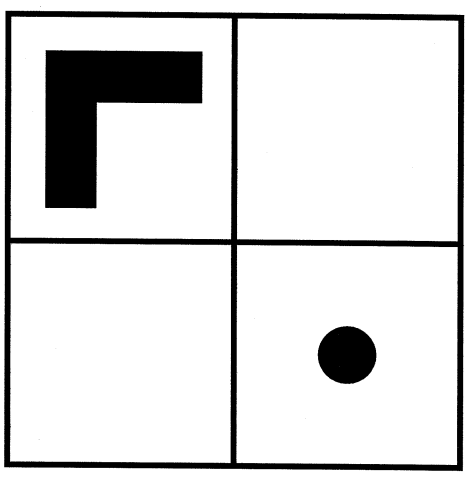
16. **There are two shapes on the grid below.**



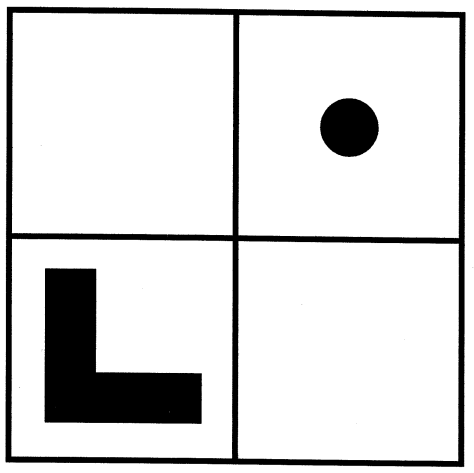
The grid is turned through a quarter turn.

Write down the letter of the diagram which shows the grid after the quarter turn.

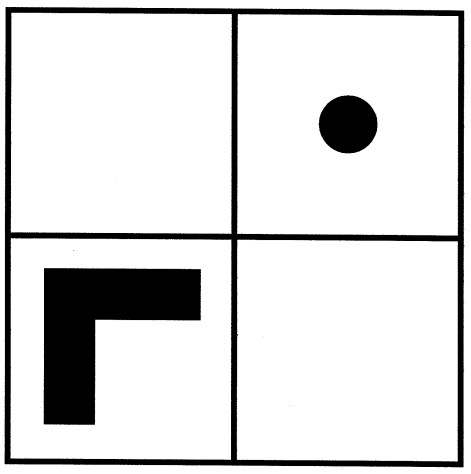
A



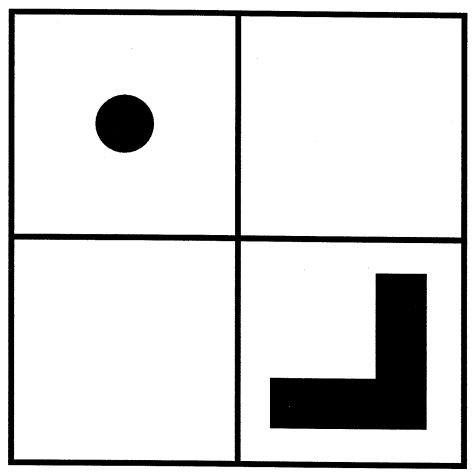
B



C



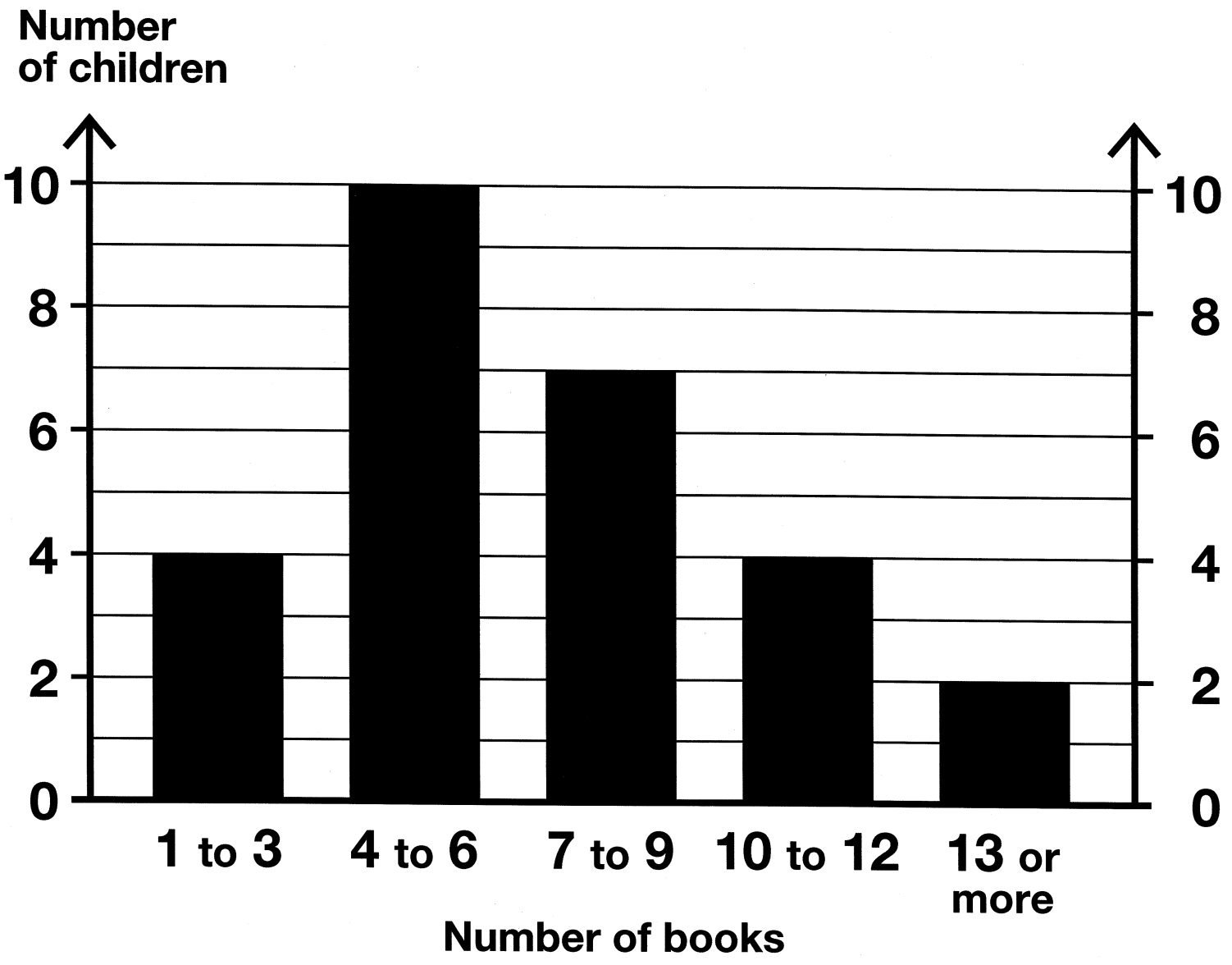
D



_____

17. Calculate $52 \cdot 85 + 143 \cdot 6$

18. **The chart below shows the number of books some children read last month.**



How many children altogether read more than 9 books?

_____

7 children read **4** books.

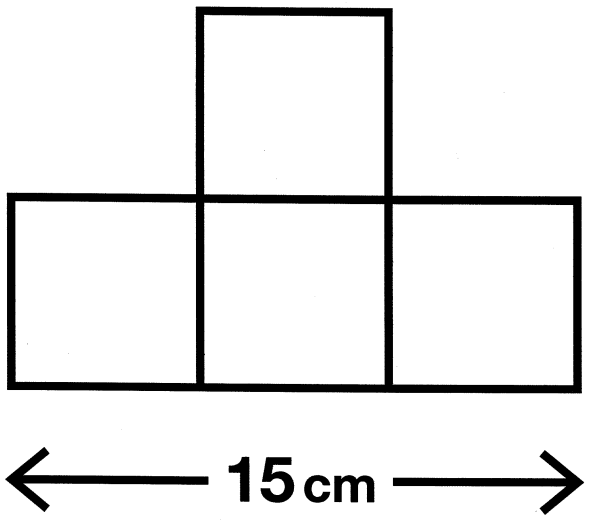
1 child read **5** books.

Lin says this means **2** children read **6** books.

Explain how she can work this out from the chart on the opposite page.

19. **The shape below is made from 4 squares.**
It is not drawn actual size.

The width of the whole shape is 15 cm.



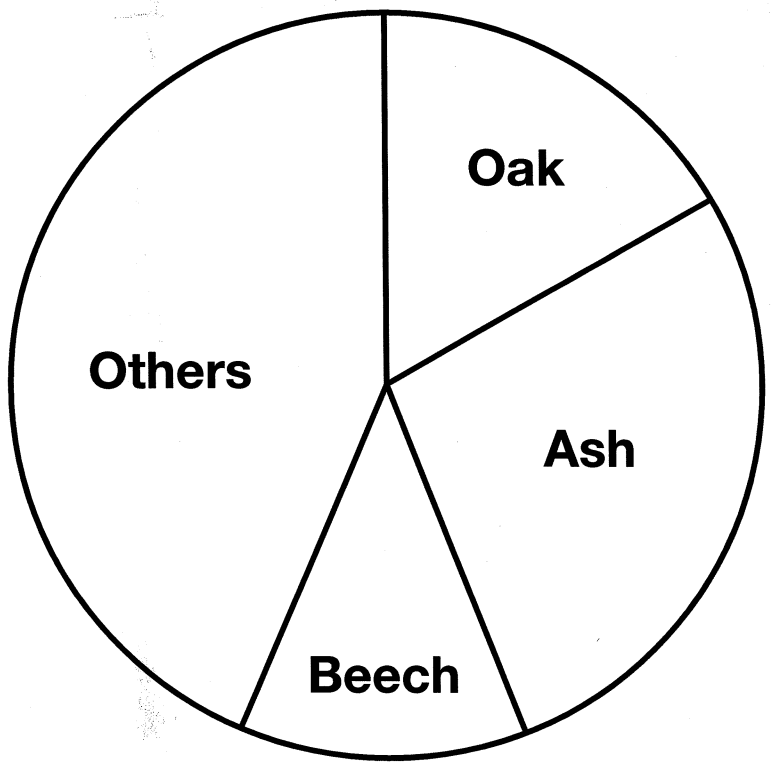
Calculate the perimeter of the shape.

Show your working. You may get a mark.

_____ **cm**

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

The pie chart below shows their results.



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

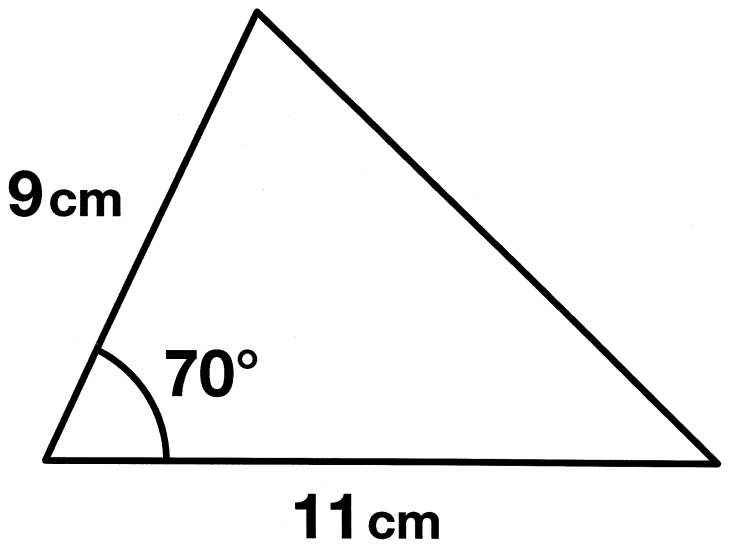
_____

The children counted 60 ash trees.

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

_____

21. You have a separate sheet for this question.
Look at this sketch of a triangle.
It is not drawn to scale.



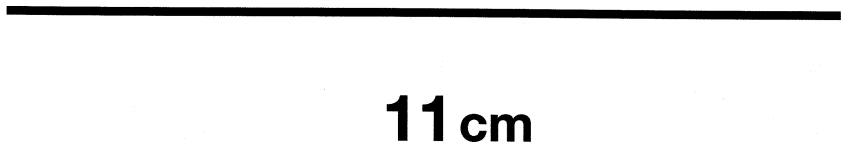
Draw the full-size triangle accurately. You may draw it below, or on the separate sheet.

Use a protractor (angle measurer) and a ruler.

One line has been drawn for you.

11 cm

Diagram for Test A. Question 21



22. Calculate $848 \div 16$

Show your working. You may get a mark.

23. k stands for a whole number.

$k + 7$ is greater than 100

$k - 7$ is less than 90

Write down all the numbers that k could be.

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