

Mathematics

Test A

2005

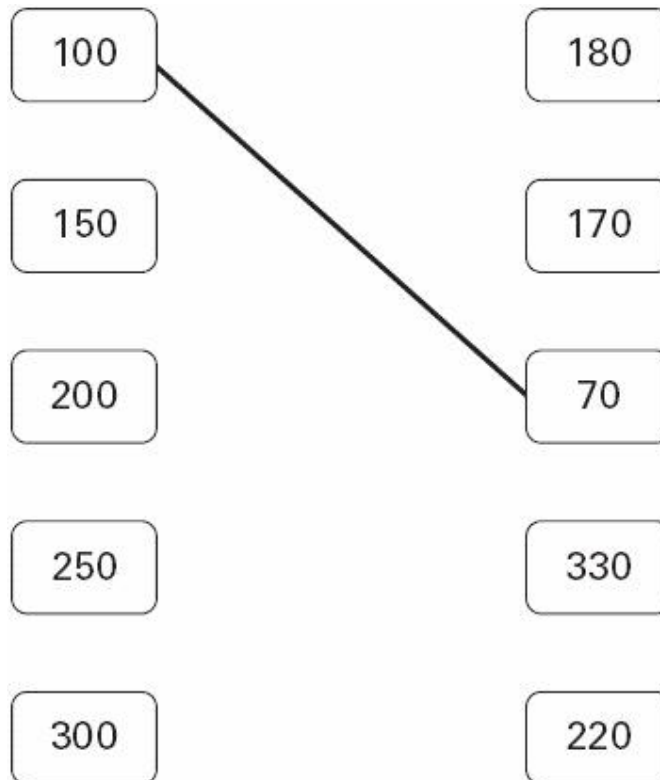
40 min

40 marks

Calculator not allowed

1. Draw lines to join **all the pairs** of number cards which have a **difference of 30**

One has been done for you.



2 marks

2. Circle **three** numbers that add to make a **multiple of 10**



11 12 13 14 15 16 17 18 19

1 mark

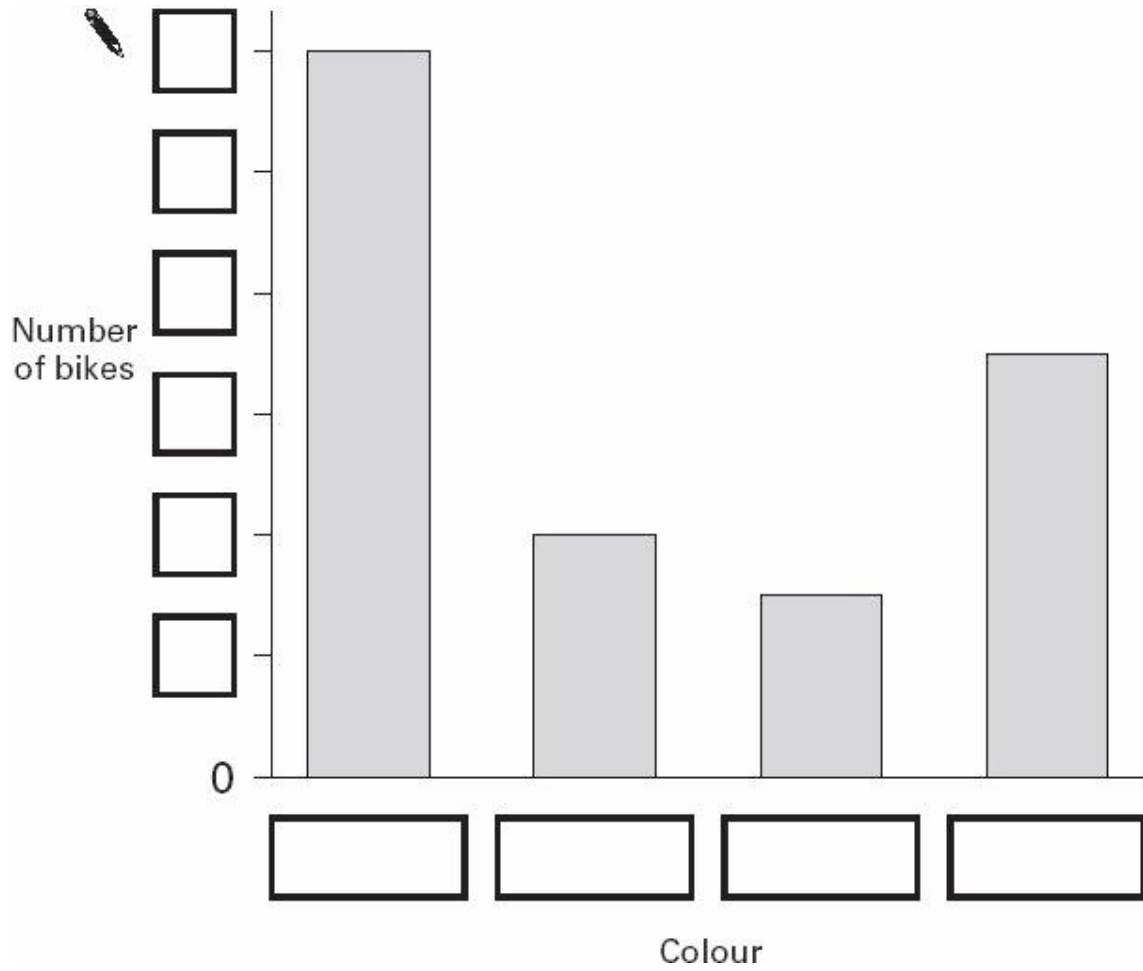
3. Robbie collected information about the colours of some bikes.

Here are his results.

Colour	Number of bikes
green	4
red	7
blue	12
pink	3

This bar graph shows the information from the table.

Fill in **all** the missing labels.



2 marks

4.



These are the radio programmes one morning.

7:00	Music show
7:55	Weather report
8:00	News
8:15	Travel news
8:25	Sport
8:45	Holiday programme

Josh turns the radio on at 7:25 am.

How many minutes does he have to wait for the Weather report?



minutes

1 mark

The Holiday programme lasts for 40 minutes.


At what time does the Holiday programme finish?



am

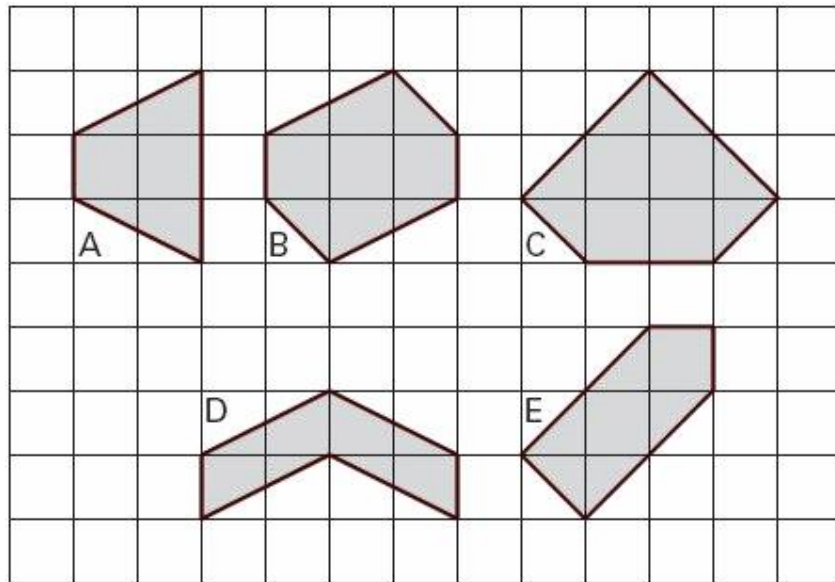
1 mark

5. Calculate $56 \div 4$




1 mark

6. Here are some shaded shapes on a square grid.




Write the letters of the **two** shapes which are hexagons.

 and

1 mark

Write the letters of the **two** shapes which have **right angles**.

 and

1 mark

7. A shop sells candles.



plain candles
35p each



star candles
60p each



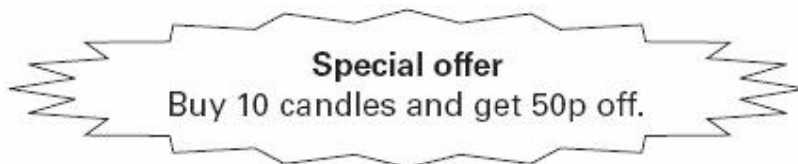
stripe candles
85p each

Sapna buys **4** star candles and **2** stripe candles.

How much does she pay **altogether**?

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

2 marks




Josh buys **10** plain candles in the special offer.

How much does he pay for the 10 candles?

£

1 mark

8. Calculate $1202 + 45 + 367$



1 mark

9. Here are some digit cards.



Write **all** the **three-digit** numbers, **greater than 500**, that can be made using these cards.

One has been done for you.

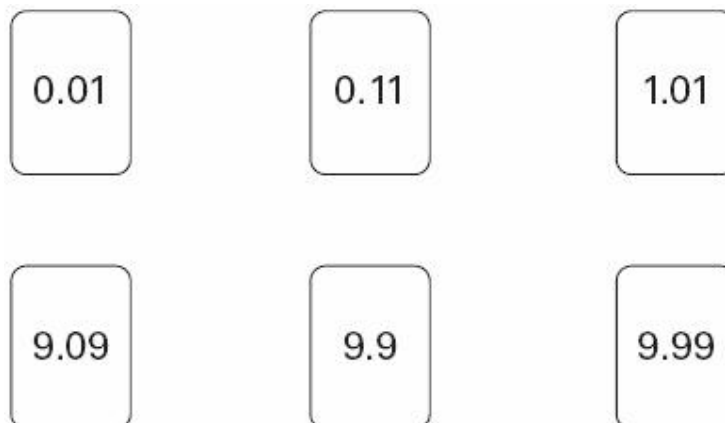


626

.....
.....

2 marks

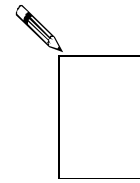
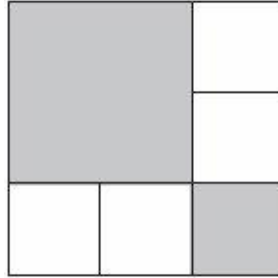
10. Tick (✓) the **two** numbers which have a total of **10**



1 mark

11. The diagram is made of squares.

What fraction of the diagram is shaded?



1 mark

12. Write the correct sign $>$, $<$ or $=$ in each of the following.



$$(10 + 5) - 9 \quad \square \quad (10 + 9) - 5$$

$$3 \times (4 + 5) \quad \square \quad (3 \times 4) + 5$$

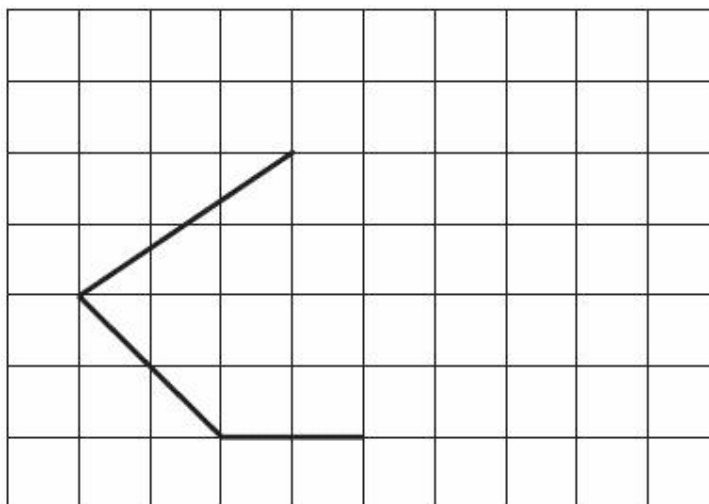
$$(10 \times 4) \div 2 \quad \square \quad 10 \times (4 \div 2)$$

2 marks

13. Here is part of a shape on a square grid.

Draw **two more** lines to make a shape which has a line of symmetry.

Use a ruler.



1 mark

14. Sapna makes up a game using seven cards.

Here are the cards.



Josh picks a card without looking.

If Josh picks an **odd** number then Sapna scores a point.

If Josh picks an **even** number then Josh scores a point.

Is this a fair game?

Circle Yes or No.

 Yes / No

Explain how you know.



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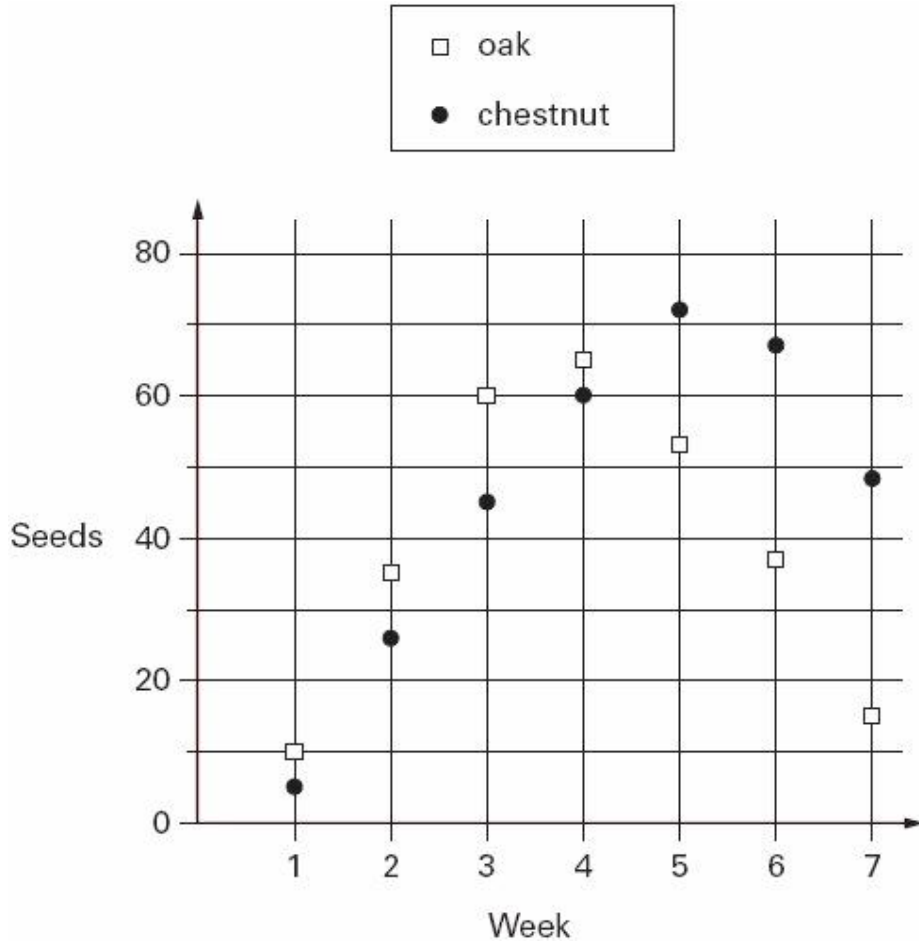
.....

.....

1 mark

15. Class 6 count how many seeds they find under two trees.

They show the data in a graph.



How many seeds did they find in week 3 **altogether**?



seeds

1 mark

In **how many weeks** did they find more than 40 **chestnut** seeds?

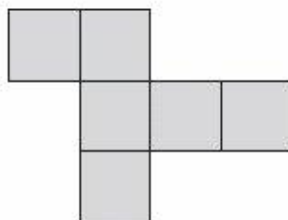
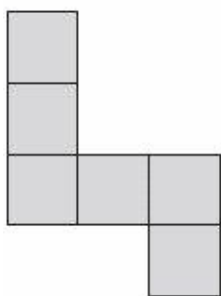
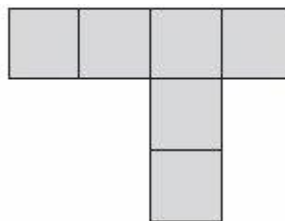
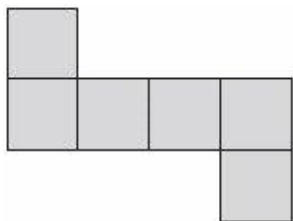


weeks

1 mark

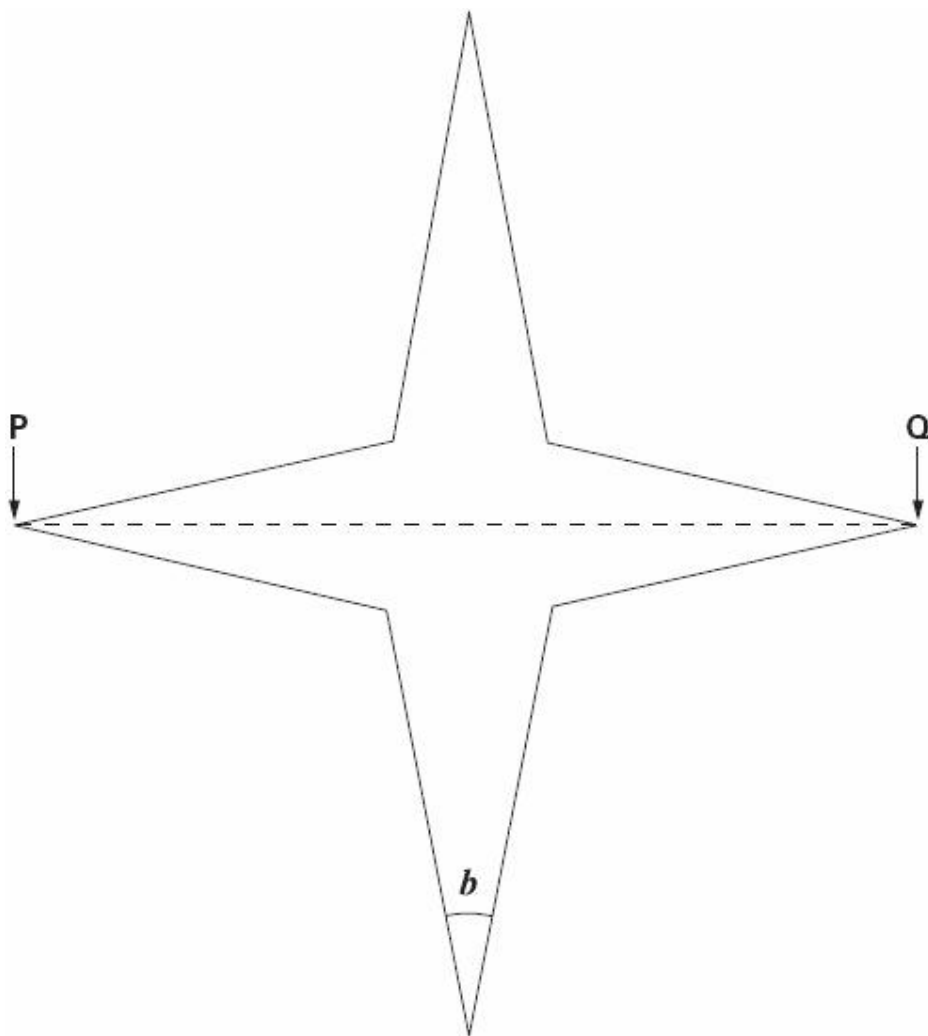
16. Here are four diagrams.

On each one put a tick (✓) if it is a net of a cube.
Put a cross (✗) if it is not.




2 marks

17. Look at this star.




Use a ruler to measure **accurately** the **width** of the star, from **P** to **Q**.

Give your answer in **millimetres**.

 mm

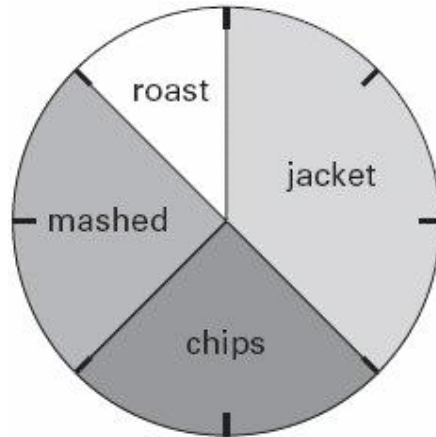
1 mark

Use a protractor (angle measurer) to measure **angle b**.

 °

1 mark

18. This pie chart shows how the children in Class 6 best like their potatoes cooked.



32 children took part in the survey.

Look at the four statements below.

For each statement put a tick (✓) if it is **correct**.

Put a cross (✗) if it is **not correct**.



10 children like chips best.

25% of the children like mashed potatoes best.

$\frac{1}{5}$ of the children like roast potatoes best.

12 children like jacket potatoes best.

2 marks

19. Find two **square numbers** that total 45



+

= 45

1 mark

20. Calculate 143×37



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



2 marks

21. Here are four statements.

For each statement put a tick (✓) if it is **possible**.
Put a cross (✗) if it is **impossible**.



A triangle can have 2 acute angles.

A triangle can have 2 obtuse angles.


A triangle can have 2 parallel sides.

A triangle can have 2 perpendicular sides.

2 marks

22. Write these fractions in order of size starting with the smallest.

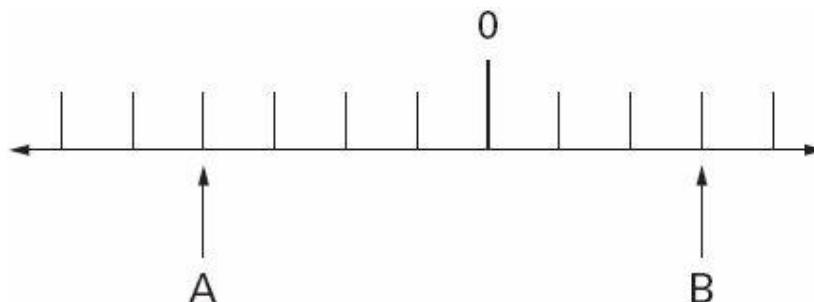
$\frac{3}{4}$ $\frac{3}{5}$ $\frac{9}{10}$ $\frac{17}{20}$



smallest



1 mark

23. **A** and **B** are two numbers on the number line below.



The **difference** between **A** and **B** is 140

Write the values of **A** and **B**.

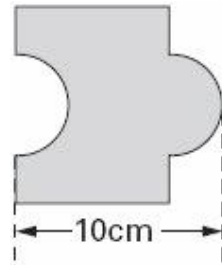
 Show your **working**.
You may get a mark. 

A = B =

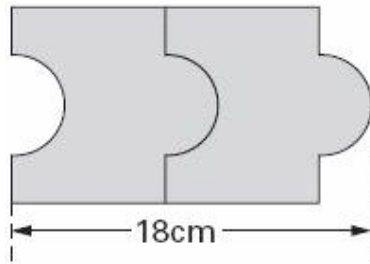
2 marks

24. Josh has some tiles.

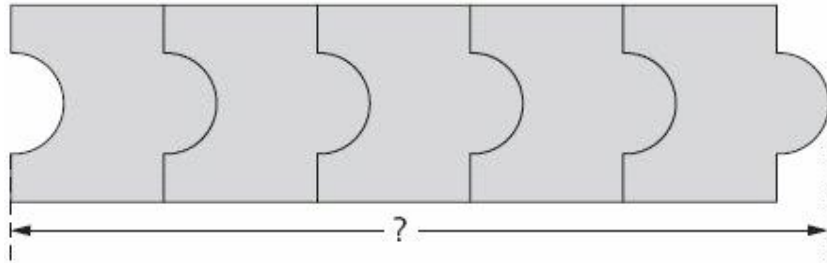
Not actual size



Each tile is 10cm long.



Two tiles fitted together are 18cm long.



Calculate the length of **five** tiles fitted together.



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





2 marks