KING'S COLLEGE JUNIOR SCHOOL

WIMBLEDON

SPECIMEN PAPER

GROUP C

MATHEMATICS

Time Allowed: 45 minutes

Name: _____

INSTRUCTIONS

You will need a pencil and a ruler.

No Calculator allowed.

Write your answers in the spaces provided on this paper.

Use any spare space on the page for working out.

If you have time at the end, check your answers carefully.

Try to answer as many questions as you can.

If you cannot do a question, leave it and move onto the next question.

In questions 1 to 10 work out the answers and write your answers on the line.
You can show working, on the right hand side, if you wish to do so.

1) 38 + 17 = _____

2) 43 – 18 = _____

3) 9 x 8 = _____

4) 40 + 90 + 60 = _____

5) _____ ÷ 7 = 8

6) 60 x 3 = _____

7) 91 + _____ + 48 = 250

8) _____ – 75 = 109

9) 160 ÷ _____ = 40

10) 57 + 38 = 110 – _____

11) How many halves are there in 8½ ? _____

12) How many quarters are there in 10¾ ? _____

Work out the following

13)
$$\begin{array}{r} 7\,9\,2\,3 \\ +\quad 5\,2\,4 \\ \hline \\ \hline \end{array}$$

14)
$$\begin{array}{r} 5\,4\,6\,7 \\ -\,2\,6\,8\,5 \\ \hline \\ \hline \end{array}$$

15)
$$\begin{array}{r} 3\,7\,6 \\ \times\quad\;\; 9 \\ \hline \\ \hline \end{array}$$

16)
$$8\overline{)5\,1\,2}$$

17) Fill in missing digits in the following sums:

a)
$$\begin{array}{r} 4\,3\,7 \\ +\;6\,\square\,4 \\ \hline 1\,0\,9\,1 \\ \hline \end{array}$$

b)
$$\begin{array}{r} 3\,7\,2 \\ -\,1\,5\,4 \\ \hline 2\,\square\,\square \\ \hline \end{array}$$

c)
$$\begin{array}{r} \quad\;\; 1\,3 \\ \square\overline{)1\,1\,7} \end{array}$$

d)
$$\begin{array}{r} 8\,4 \\ \times\quad\;\;\square \\ \hline 5\,0\,4 \\ \hline \end{array}$$

18) Use two of the numbers below each time to make an answer of 36.
You may use the numbers more than once.

24 48 12 4 9 72 2

a) _____ + _____ = 36

b) _____ – _____ = 36

c) _____ x _____ = 36

d) _____ ÷ _____ = 36

Turn Over

19) In each row work out the next two terms in the sequence.
Write your answers on the line.

a) 38 , 47 , 56 , 65 , _____ , _____

b) 43 , 35 , 27 , 19 , _____ , _____

c) 1 , 3 , 6 , 10 , _____ , _____

d) 5.17 p.m. , 5.24 p.m. , 5.31 p.m. , 5.38 p.m. , _____ , _____

20) For each row work out what is missing and write it on the line

a) 7910 , _____ , 7930 , 7940 , 7950

b) -10 , -3 , _____ , 11 , 18

c) 2.5 kg , 2 kg , 1·5 kg , _____ , 500 g

d) -9 , -12 , -15 , _____ , -21

21) Write the number four hundred and thirty eight thousand and fifty three in figures.

_____

22) What is the 9 worth in 69, 477

_____

23) What fraction of 1 metre is 25cm?

_____

24) What is the difference in temperature between

a) -15°c and -1°c ? _____

b) -7°c and $+13^{\circ}$c ? _____

25) I am facing west and turn clockwise 45°.
In what direction am I now facing?

_____

26) Share £43.20 amongst ten people equally.
How much does each person receive?

_____

27) If 100 tickets were sold at the cinema to see 'Finding Nemo' at £8.50 each,
how much money would be taken at the cinema?

_____

28) A baker puts his cakes onto trays which hold 8 cakes.
How many trays are needed for 66 cakes?

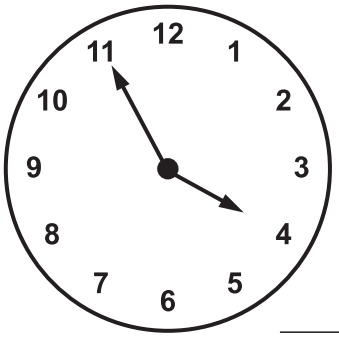
_____

29) King's Junior School has 210 pupils. King's Senior School has 4 times as many.
How many pupils are there at the Senior School?

_____

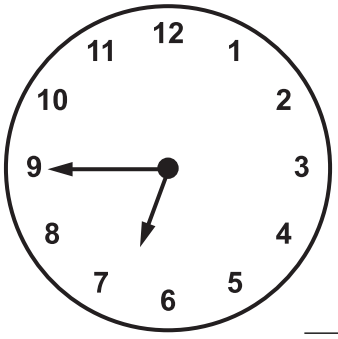
30) These clocks show times after 12 midday.
What is the time on these clocks:

a) **in the 24 hour clock.**



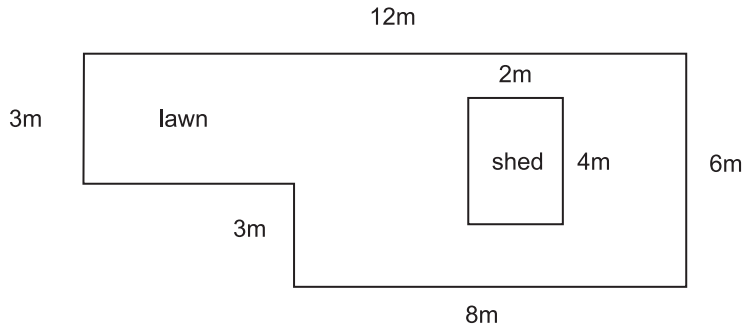
_____

b) **in the 12 hour clock.**



_____

31) Look at the plan of my garden. It shows a rectangular shed surrounded by lawn.



a) What is the perimeter of my shed

_____

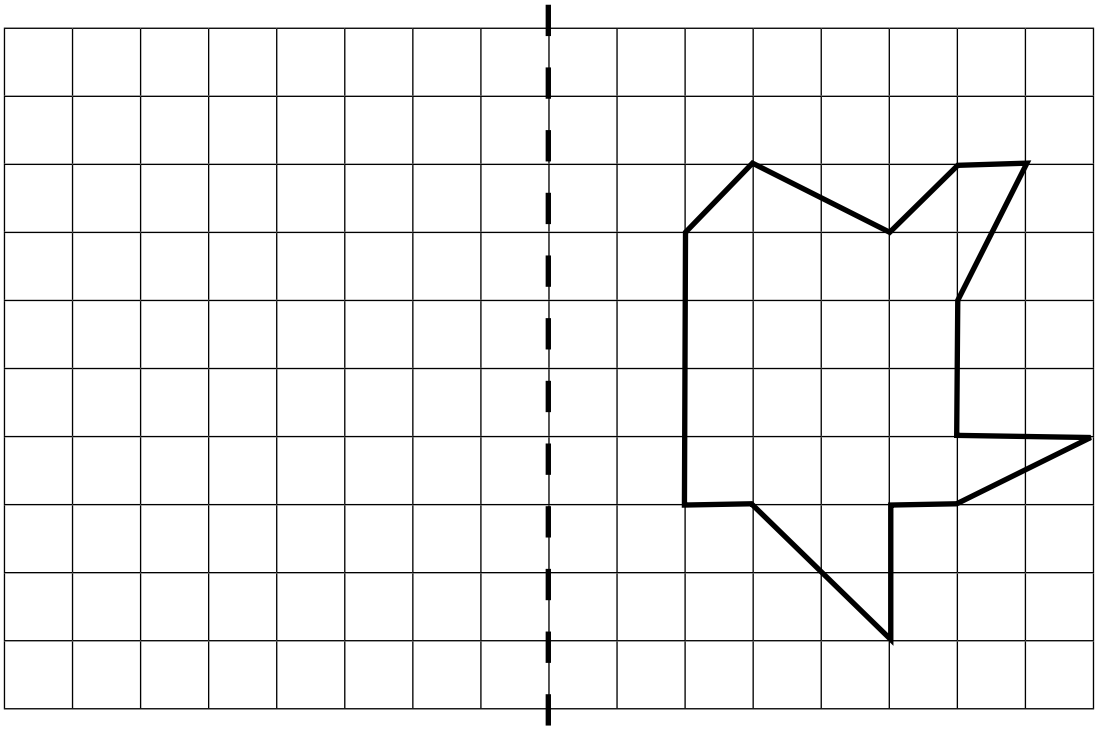
b) What is the perimeter of my garden?

_____

c) What fraction of the garden's perimeter is the shed's perimeter?

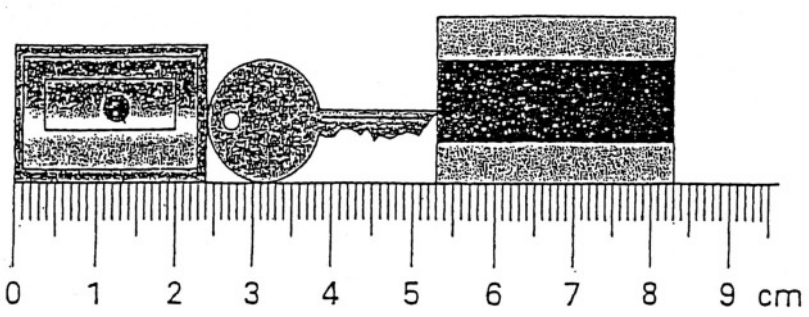
_____

32) Draw the reflection of the shape in the mirror line.



mirror line

33) Here are a pencil sharpener, a key and a rubber.



What is the length of **all three things** together?

Give your answer in **millimetres**.

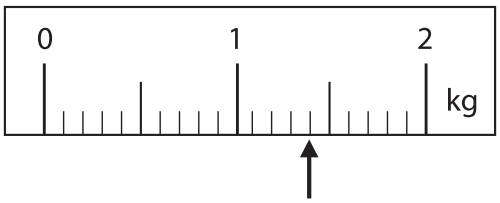
_____ mm

What is the length of the **key**?

Give your answer in **centimetres**.

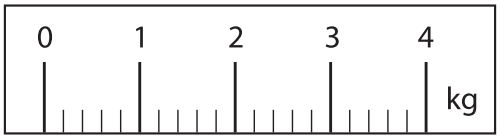
_____ cm

34) On this scale, the arrow (↑) shows the weight of a pineapple.

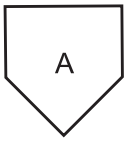


Here is a **different** scale.

Mark with an arrow (↑) the weight of the same pineapple.

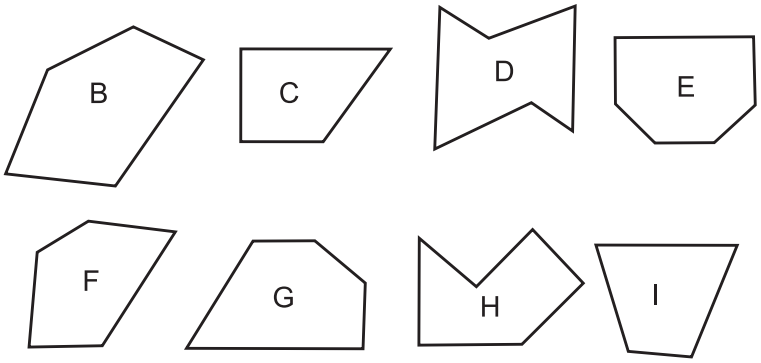


35) This peg A matches the hole in the top right-hand corner of the card below, although the peg has to be turned first.

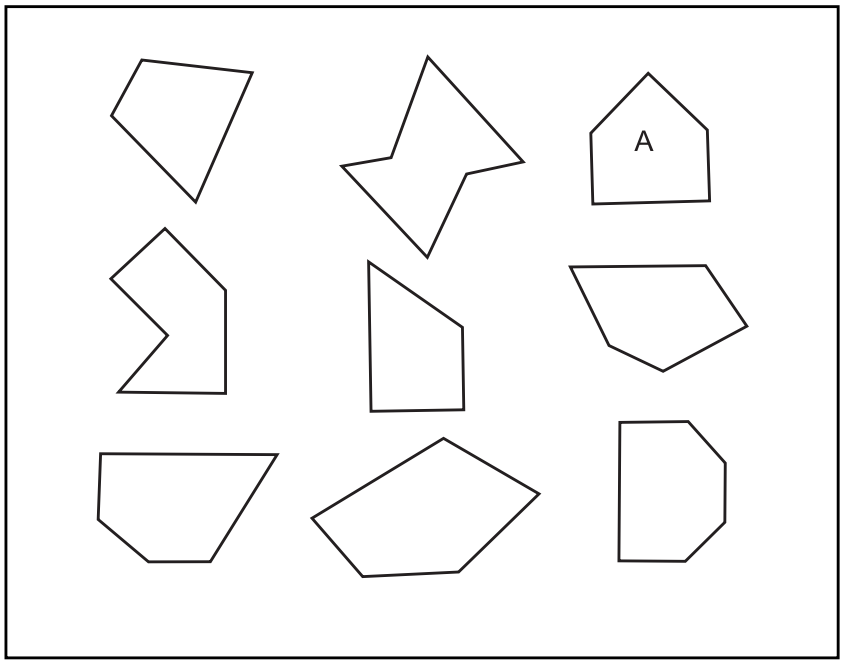


Write the correct letter in each of the other 8 holes, showing which of the pegs B to I fit in each hole.

THE PEGS



THE HOLES



36) Two cats together catch 28 mice. If Bonny catches 4 mice for every 3 mice that Buster catches, then how many does Buster catch?

_____

37) James saves up for a new computer game that costs £21.
He gets £10 a week pocket money and saves a quarter of the £10.
How many weeks will it take James to save the money to buy a new computer game?

_____

38) There are 75 sweets in a bag? Elizabeth ate $\frac{1}{5}$ of the sweets. Jack ate the rest.
How many sweets did Jack eat?

_____

39) Use these clues to guess the number.

It's more than 20. It's less than 40.

It's a multiple of 5. It's a multiple of 3.

What's the number?

_____

Try it again. Use these clues to guess the number.

It's more than 21. It's less than 30.

It's an odd number. It's a multiple of 3.

What's the number?

_____

NOW GO BACK AND CHECK ALL YOUR ANSWERS