

# TEST 2

# MATHEMATICS

Name: \_\_\_\_\_

Candidate Number: \_\_\_\_\_

Primary School: \_\_\_\_\_

Boy or Girl: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Today's Date: \_\_\_\_\_

Test Taken At: \_\_\_\_\_

**READ THE FOLLOWING CAREFULLY:**

1. Do not open this booklet until you are told to do so.
2. You may work the questions out in your head, or by writing on the white area around the question.
3. Work as quickly and as carefully as you can.
4. Make any alterations to your answers **clearly**. You will not lose marks for crossing out.
5. You will have **35 minutes** to do the test. If you find you cannot do a question, **do not waste time on it but go on to the next one.**
6. **Once the test has begun, you should not ask about questions in the test.**
7. **The use of electronic calculators of any description (including calculator watches) is NOT permitted.**

NOT TO BE FILLED IN BY PUPIL		
PAGE	SCORE	
	R	W
1 (5)		
2 (4)		
3 (4)		
4 (4)		
5 (4)		
6 (5)		
7 (6)		
8 (6)		
TOTAL (38)		
INITIALS OF MARKER(S)		

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**You have thirty five minutes to complete this paper.  
Do your working out in the spaces on the paper.**

Please do not write in this space

**1** Calculate:  $2000 - 543$

Space for working:

Answer: \_\_\_\_\_

**2** Calculate:  $378 \times 6$

Answer: \_\_\_\_\_

**3** Calculate:  $1544 \div 8$

Answer: \_\_\_\_\_

**4** Calculate:  $3.6 + 1.78$

Answer: \_\_\_\_\_

**5** A lottery prize of £500 is shared equally between the 20 winning tickets.  
Mary has 3 of the winning tickets.

How much does Mary win?

Answer: £ \_\_\_\_\_

PLEASE TURN OVER TO NEXT PAGE

(5)

R  
W

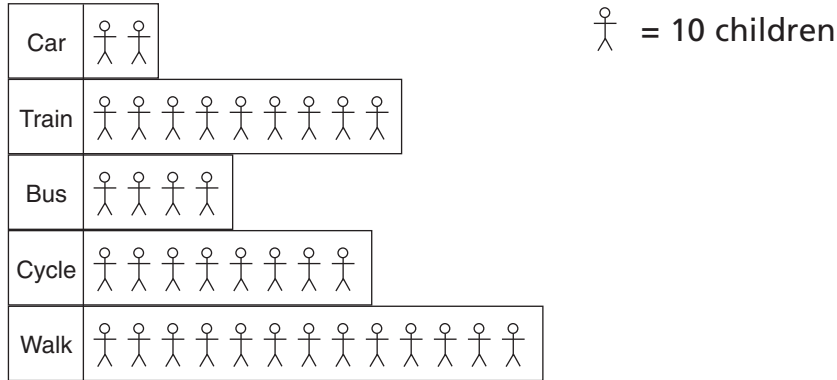
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6 Write down the next term in the sequence of numbers:

1, 5, 13, 25, 41, \_\_\_\_\_

Answer: \_\_\_\_\_

7



The pictogram shows the way in which the children at Kenton Primary School get to school each morning.

A. How many children come to school by bus?

Answer: \_\_\_\_\_

B. How many children either walk or cycle?

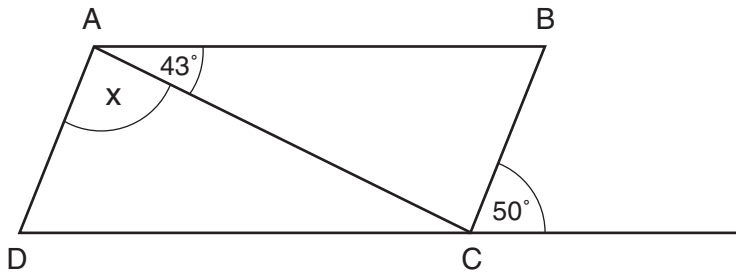
Answer: \_\_\_\_\_

8 40% of the land on Mr. Brown's farm of 950 hectares is used to grow wheat.  
How many hectares are left for other uses?

Answer: \_\_\_\_\_ hectares

Please do not write in this space

9



The figure ABCD in the diagram is a parallelogram.

Calculate the size of the angle labelled x.

Answer: \_\_\_\_\_°

10 What is the difference between the largest and the smallest numbers in this list?

15.2

5.02

2.05

5.18

15.08

Answer: \_\_\_\_\_

11 Each wine glass in Kay's set holds 150ml when full.

How many glasses can she completely fill from a 70 centilitre bottle of wine?

Answer: \_\_\_\_\_

12 On a particular day in September sunrise was at 0642 and sunset was at 1932.

How many hours and minutes was the sun up for?

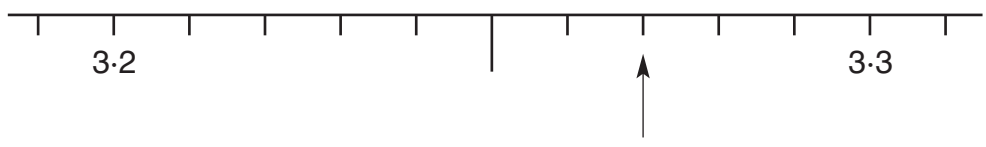
Answer: \_\_\_\_\_hrs \_\_\_\_\_mins

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R  
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(4)

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13 What reading on the scale does the pointer show?



Answer: \_\_\_\_\_

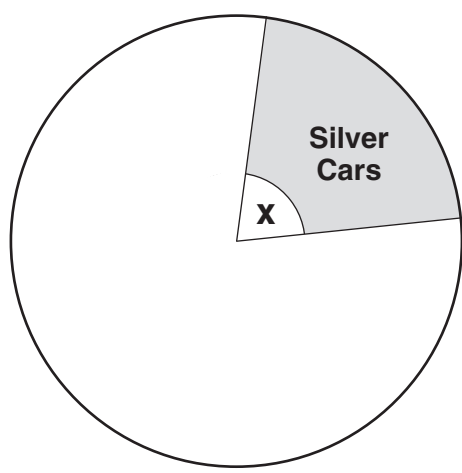
14 Calculate the average amount of pocket money received by these four friends:

**Sarah £10      Mark £12.50      Surinda £14      Geoff £9.50**

Answer: £ \_\_\_\_\_

15 David is drawing a pie chart showing the car colours of all the people living in his street. He knows that 20% of the cars are silver.

How large should he make the angle for the silver sector?



Answer: \_\_\_\_\_°

16 A number of blue and red squares and rectangles are put into a bag and one is drawn out without looking. The table shows the number of each kind in the bag.

What is the probability that the shape drawn out is red?

	Blue	Red
Squares	6	8
Rectangles	9	2

Answer: \_\_\_\_\_

R  
W  
(4)

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17 The formula below gives the cost (in £) for the car that Tom is hiring for his wedding.

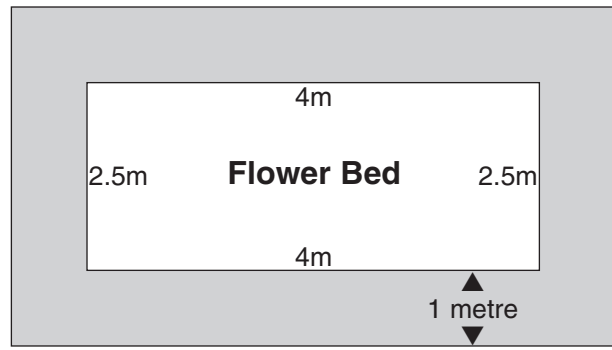
$$\text{Cost} = 150 + 45(h - 1)$$

$h$  is the number of hours for which the car is hired.

How much will it cost Tom to hire the car for 8 hours?

Answer: £ \_\_\_\_\_

18 Jason decides to make a 1 metre wide path round his flower bed.



A. Calculate the area of the path in  $\text{m}^2$ .

Answer: \_\_\_\_\_  $\text{m}^2$

B. Square paving tiles for the path measure 50cm by 50cm. They are sold in packs of 10 tiles. How many packs will Jason need?

Answer: \_\_\_\_\_

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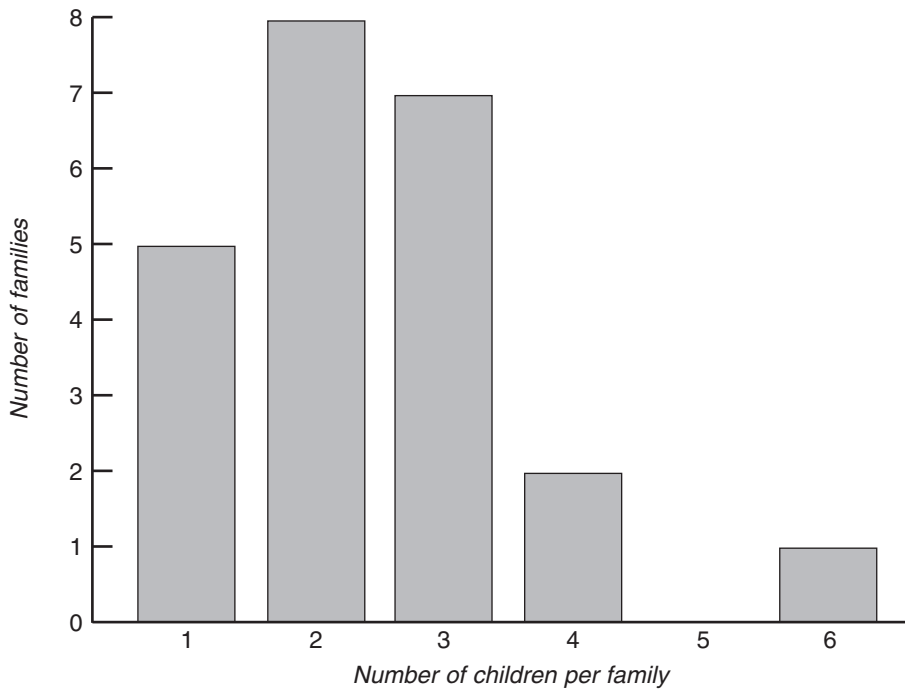
R  
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(4)

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19 How many posts are needed for 40 metres of fencing if one post is placed every 2 metres?

Answer: \_\_\_\_\_ posts

20 Bar chart to show the number of children in the families in my road.



A. How many families have exactly 2 children?

Answer: \_\_\_\_\_

B. How many families have less than 4 children?

Answer: \_\_\_\_\_

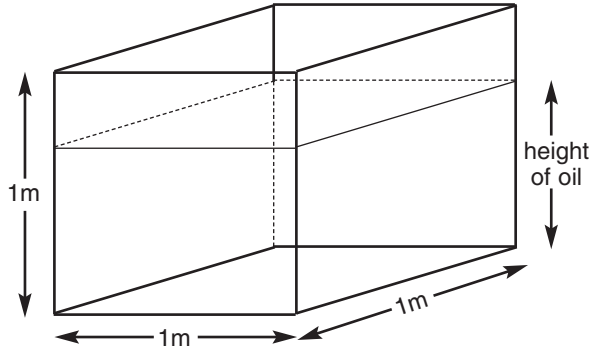
C. How many children belong to families of 4, 5 or 6 children?

Answer: \_\_\_\_\_

R  
W  
(5)

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**21** The oil tank attached to Sanjay's house is in the shape of a 1 metre cube. The oil company delivers 850 litres of oil into the empty tank. What is the **height** of the oil in the tank?



Answer: \_\_\_\_\_ cm

**22** 15, 8, 27, 49, 30

Which of these numbers is:

**A)** a square number?

Answer: (A) \_\_\_\_\_

**B)** a multiple of 9?

Answer: (B) \_\_\_\_\_

**C)** a factor of 40?

Answer: (C) \_\_\_\_\_

**23** Mr. James, the maths teacher, takes 6 minutes to mark each of his pupil's tests. He has a class of 32. How many minutes will he save if 7 of his class are absent?

Answer: \_\_\_\_\_ minutes

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24 Work out the value of  $x$  if:

$$\frac{1}{12} + \frac{1}{24} = \frac{1}{x}$$

Answer:  $x =$  \_\_\_\_\_

25 If the digit 4 is replaced by the digit 3 in each of the numbers below, which number is reduced by the largest amount?

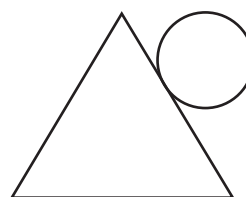
- A. 98949    B. 84309    C. 78451    D. 48351    E. 90904

Answer: \_\_\_\_\_

(A, B, C, D or E)

26 The diagram shows a circle with circumference of 1cm being rolled around an equilateral triangle with sides of length 1cm.

How many **complete turns** does the circle make as it rolls around the triangle (without slipping) to its original starting position?



Answer: \_\_\_\_\_ complete turns

**END OF TEST**

(You should have completed 26 questions.)



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