

**MATHEMATICS**  
**SAMPLE INTERMEDIATE TEST 2**

(40 minutes)

Candidate's Name (in full) .....

*Answer all questions in the spaces provided.*

*Calculators are allowed.*

*Scrap paper may be used if required.*

Answer **all** questions in the spaces provided.

1. During the last cricket season, Atherton scored four hundred and thirty two runs for England, Russell scored six hundred and ninety four runs and Thorpe scored six hundred and eighty eight runs.

(a) Write the scores in numbers instead of words.

Atherton scored ..... runs.

Russell scored ..... runs.

Thorpe scored ..... runs.

[3]

2. Complete this bill:

Apples 5 kg @ 57p a kg	£	.
Oranges 3 kg @ 39p a kg	£	.
	_____	
Total	£	.
	_____	

[3]

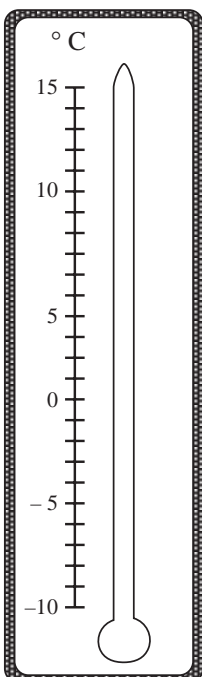
3. The number of people visiting St Paul's Cathedral, London on one day was 4762.

(a) Write this number to the nearest 100. ....

(b) Write this number to the nearest 1000. ....

[2]

4.



(a) Use an arrow (→) to show a temperature of  $-7^{\circ}\text{C}$  on the thermometer.

(b) Which temperature is  $12^{\circ}\text{C}$  warmer than  $-7^{\circ}\text{C}$ ?

.....  
[2]

5. Jim saves £10 a month for 3 months and then £11 a month for the next four months.

How much money has he saved altogether ?

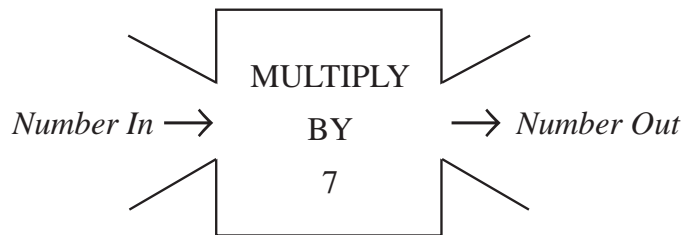
.....

.....

.....

[2]

6. This is a number machine.



- (a) If the *Number In* is 5, find the *Number Out*.


.....



- (b) If the *Number Out* is 42, find the *Number In*.

.....

[2]

7. Write the missing numbers in the shapes below.

(a)  + 10 = 18

(b)  +  = 14

(c)  ×  = 25

(d) 16 ÷  = 

[4]

8. 400 people travel on a train.

(a)  $\frac{1}{2}$  of them are male.

How many are male?

.....

.....

(b)  $\frac{1}{4}$  of the people are children.

How many are children?

.....

.....

[2]

9.

<i>CARS FOR SALE !</i>		
'96	Escort 1.0L	£4500
'95	Mondeo	£7800
'95	Escort Estate	£4250
'94	Mini Metro	£3750
'97	Escort 1.2L	£6500
'96	Renault Laguna	£9500
'95	Escort 1.0L	£3900
'96	Mondeo	£8500

(a) How many cars are for sale?

(b) What fraction of them are *Escorts* ?

[2]

10. (a) Write these numbers in order, from the smallest to the largest.

3.85, 3.87, 3.9, 3.79

Answer: ....., ....., ....., .....

- (b) Write these numbers in order, from the smallest to the largest

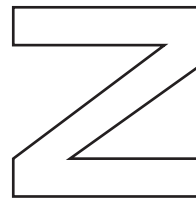
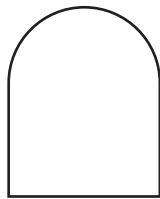
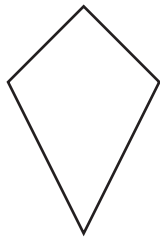
- 17, - 3, - 23, - 9

Answer: ....., ....., ....., .....

[2]

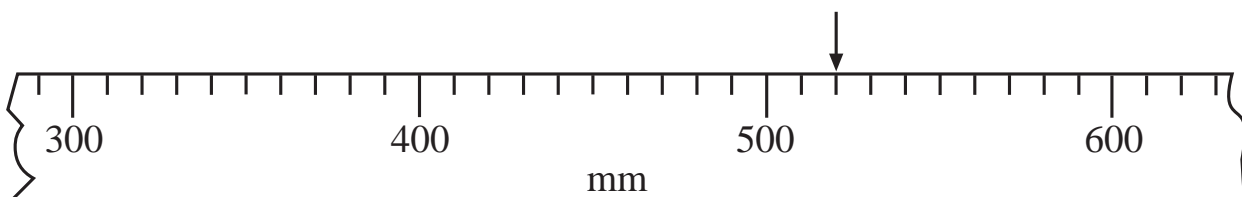
11. Put a ✓ under any of these shapes that has a line of symmetry.

Put a × under any of these shapes that has *no* line of symmetry.



[3]

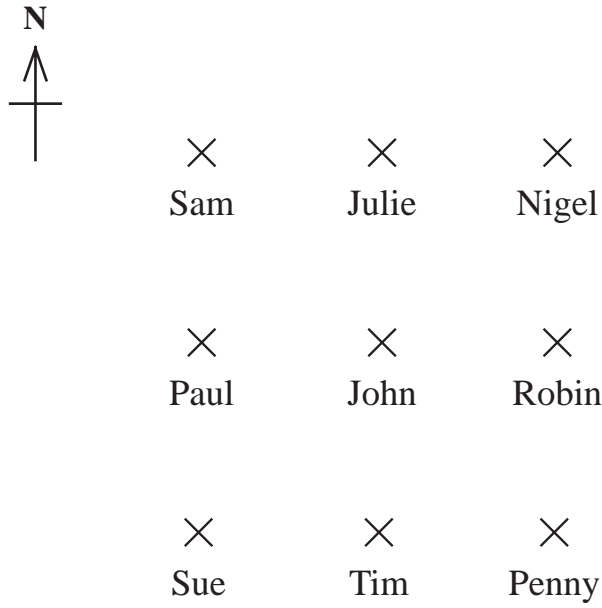
12. This is part of a ruler.



The arrow is pointing to ..... mm.

[1]

13.



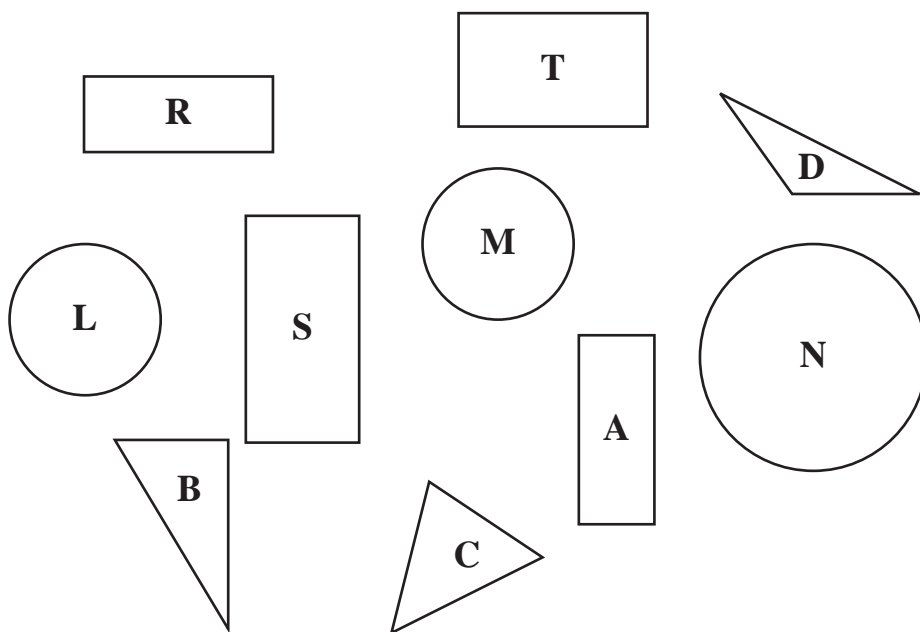
The diagram above shows where John and his friends live.

Complete these sentences.

- (a) John sees ..... when he looks to the north-west.
- (b) John sees ..... when he looks to the south-east.

[2]

14.



(a) One of the triangles, B, C, D, has a right angle. Which triangle is it?

.....

(b) One of the rectangles, R, S, T, is identical in shape and size to rectangle A.  
Which rectangle is it?

.....

(c) Two of the circles, L, M, N, are the same size. Which two circles?

.....

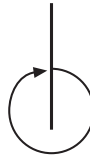
[3]

15. Join *each* angle to its name. One has been done for you.

Acute angle



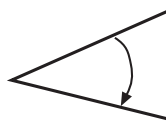
Right angle



Complete turn



Obtuse angle



[3]

16. *DOG*                      *BUDGERIGAR*                      *MOUSE*  
*BAT*                              *SPIDER*                              *ROBIN*

Sort these 6 creatures into the *four* boxes below.

	<i>Often kept as a pet</i>	<i>Not usually kept as a pet</i>
<i>Flies</i>		
<i>Does not fly</i>		

[4]

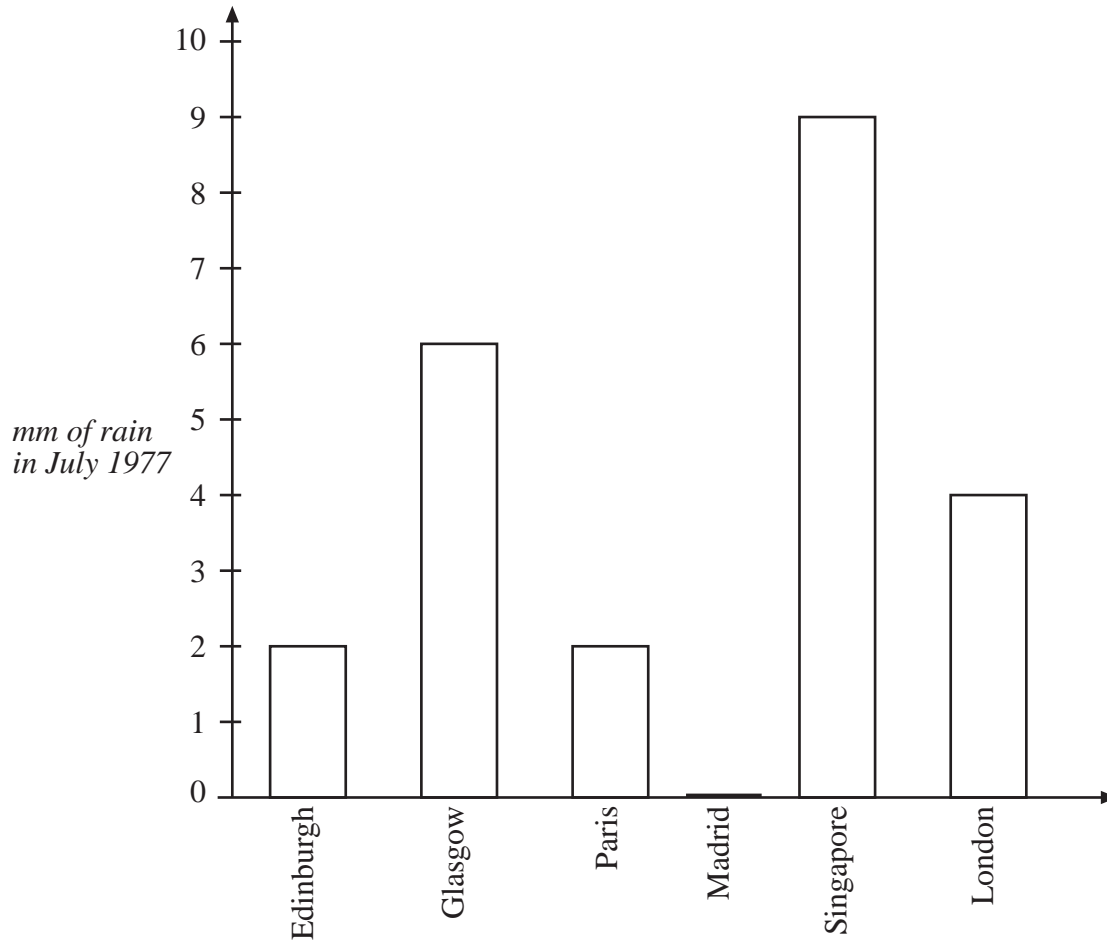
17. Say whether these things  
*will* happen  
*could* happen  
or *will not* happen

The first one has been done for you.

- (a) You will be King of England.  
..... *will not happen* .....
- (b) You will win the National Lottery in the year 2000.  
.....
- (c) It will rain next year.  
.....
- (d) England will win the World Cup Football Tournament in the year 2002.  
.....
- (e) There will be only 30 days in January next year.  
.....

[4]

18.



The graph above shows the number of mm of rain in six cities in July 1977.

(a) In which city did it rain most?

.....

(b) Which two cities had the same amount of rainfall?

.....

(c) Which city had no rain at all?

.....

(d) How many more mm of rain did Singapore have than London?

.....

[4]