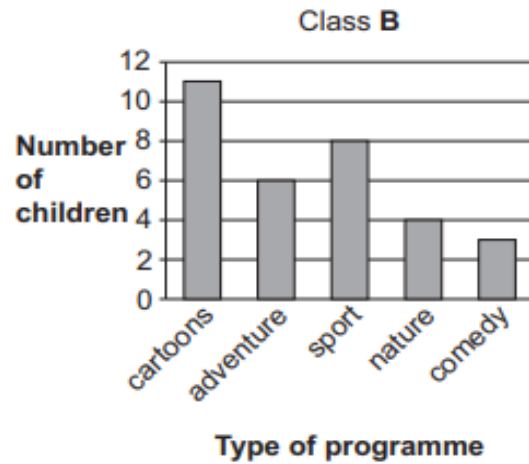
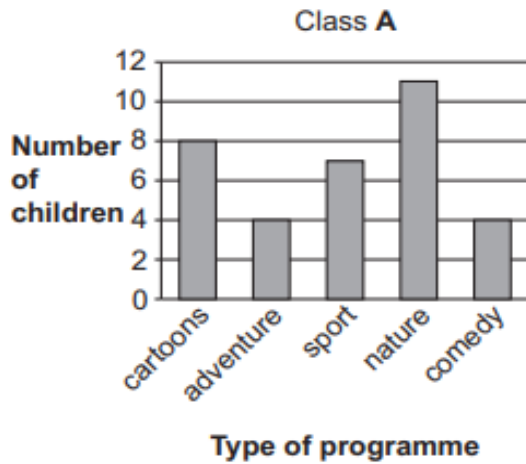


Name .....

Class.....

1) Class **A** and Class **B** record their favourite type of TV programme.

These two graphs show their results.

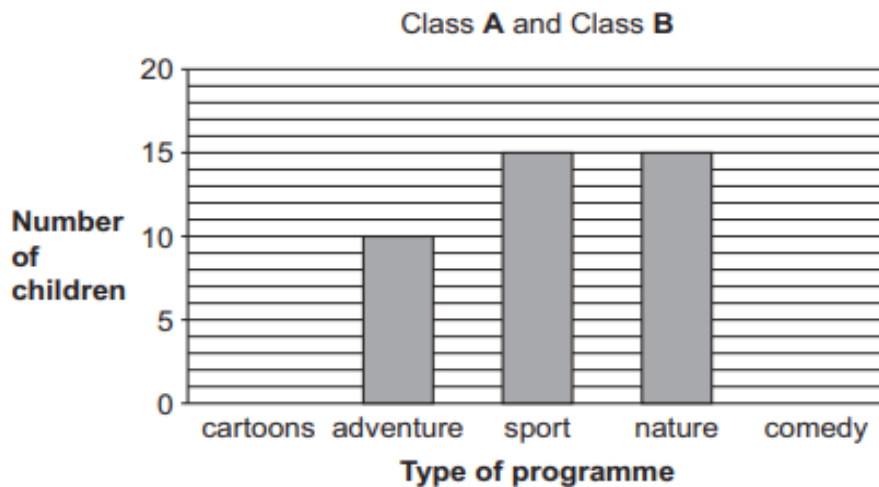


(a) How many **more** children like nature programmes in Class **A** than in Class **B**?

..... children [1]

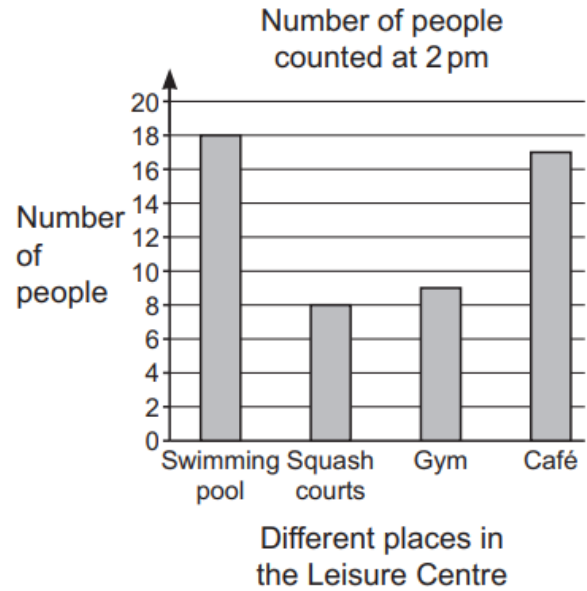
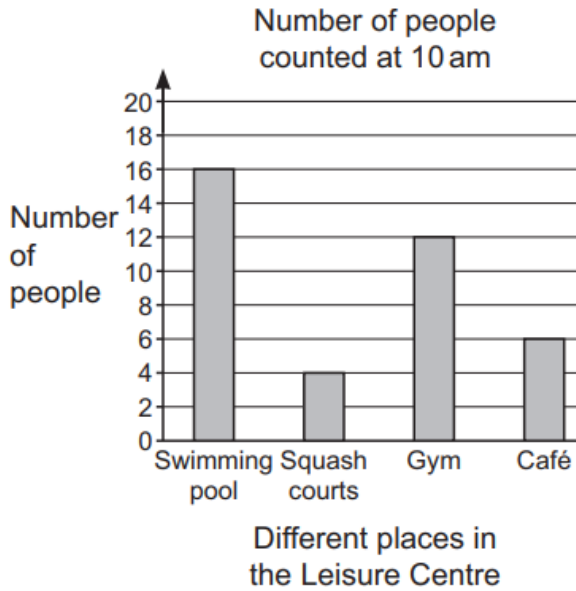
(b) The data for Class **A** and Class **B** is added together.

Draw **two** bars on this bar chart to show **all** the information for Class **A** and Class **B**.



[1]

- 2) Class 4 counted the number of people in different places in a Leisure Centre. They counted the people at 10 am and 2 pm. The bar charts show their results.



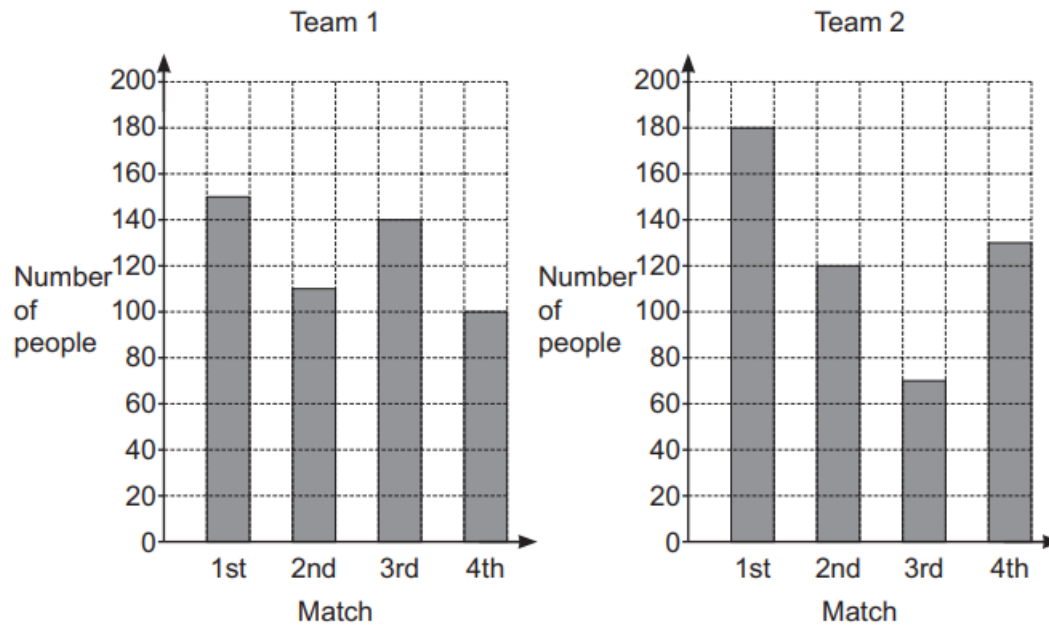
- (a) How many **more** people were in the gym at 10 am than at 2 pm?

..... people [1]

- (b) Suggest a reason why more people were in the café at 2 pm than at 10 am.

.....  
..... [1]

- 3) Here are two bar charts.  
They show the number of people that attend the first four matches of two football teams.



- (a) Write the **smallest** number of people that attend any of the matches.

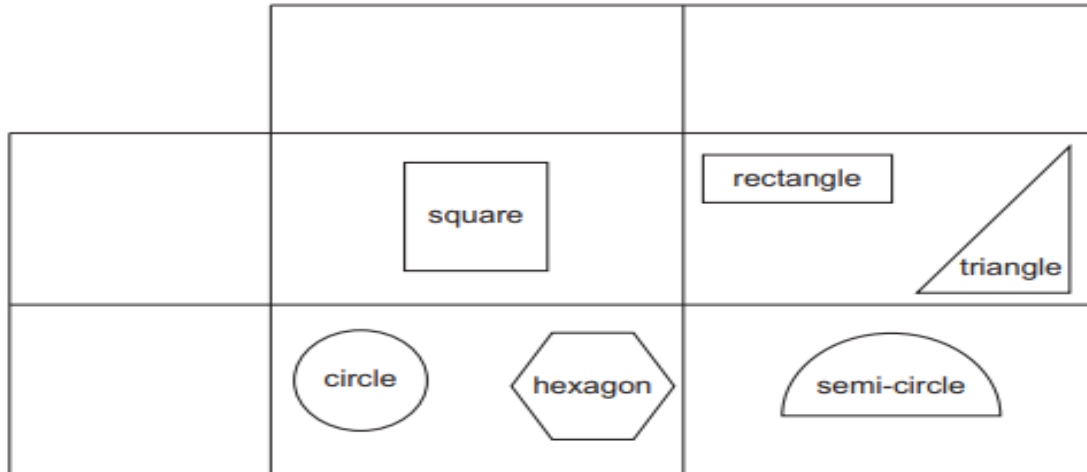
..... [1]

- (b) Write the total number of people that attend the four matches of Team 1

..... [1]

4) Some shapes are placed in a sorting diagram.

The four labels are missing.



Here are some possible labels.

- A      Have at least 1 right angle
- B      Have exactly 2 lines of symmetry
- C      Have at least 4 vertices
- D      Regular shapes
- E      Have no right angles
- F      Irregular shapes
- G      Have no lines of symmetry

Write a letter in **each** empty box on the sorting diagram to show the correct labels.

[2]

5) Mia writes information about her friends in a table.

Name	Eye colour	Hair colour
Mike	Brown	Brown
Carlos	Green	Black
Lily	Blue	Blond
Samira	Brown	Black

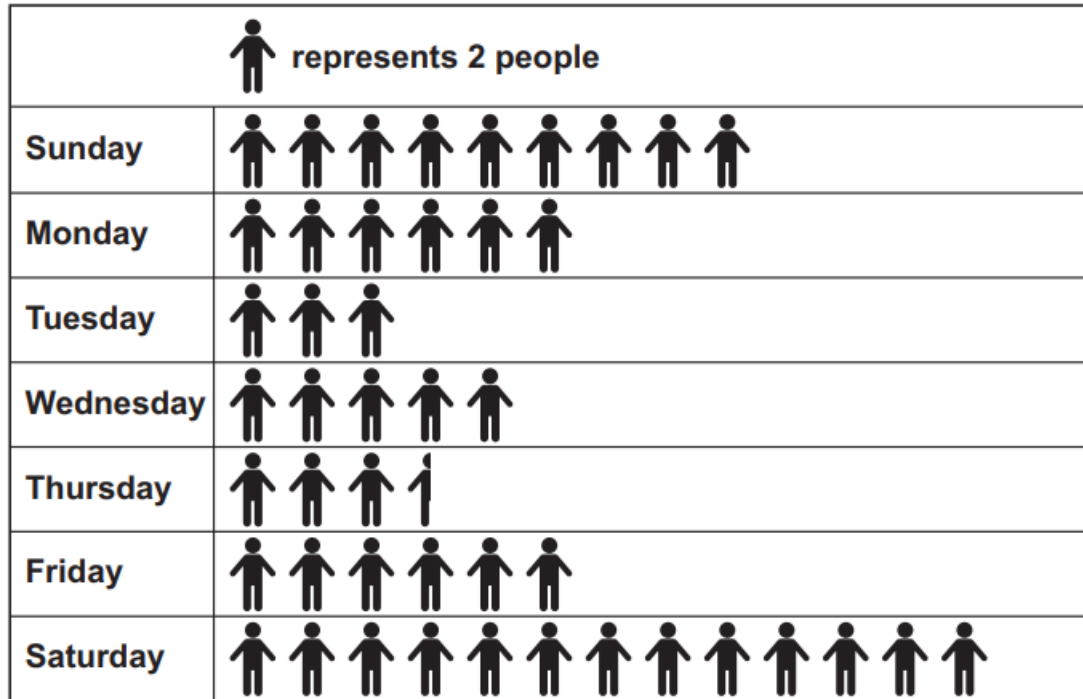
She organises this information in a Carroll diagram.

	.....	.....
.....	Mike	
.....	Samira	Carlos Lily

Complete her Carroll diagram.

6) Here is a pictogram.

It shows the number of visitors to a library in one week.



Chen looks at the chart and says,




'I know an odd number of people visited the library this week.'

Explain how Chen knows this without finding the total.

- 7) Safia, Mia and Naomi all collect soft toys.  
The pictogram shows the number of soft toys each girl collects.  
The girls are shown as A, B and C.



represents 2 soft toys

Girl	Number of soft toys
A	
B	
C	

Safia and Naomi make these statements.

Safia says, 'I have fewer soft toys than Naomi.'

Naomi says, 'Safia and I have 40 soft toys altogether.'

Use the pictogram to match each name with the correct letter.


Safia




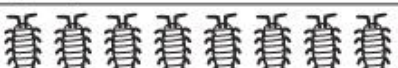
Mia

Naomi

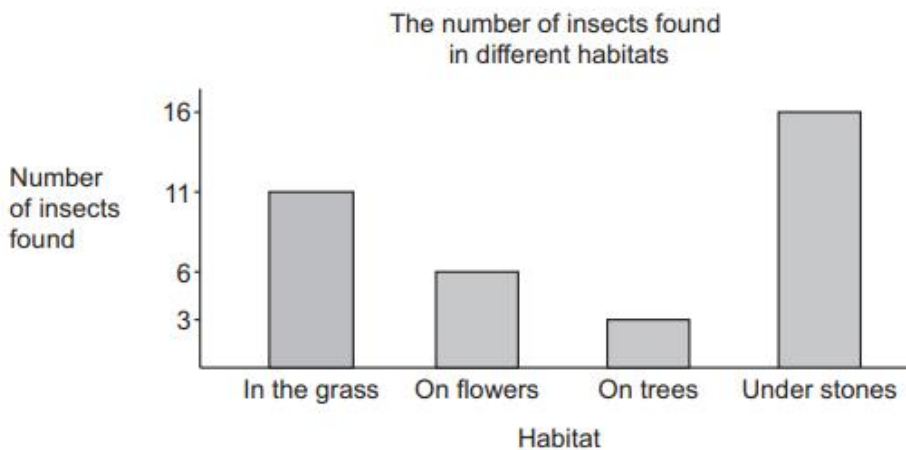
## Aspire International School

- 8) Hassan looks for insects in different habitats.  
Here is a pictogram of his results.

 represents 2 insects

Habitat	Number of insects found
In the grass	
On flowers	
On trees	
Under stones	

Hassan draws a bar chart to show this information.

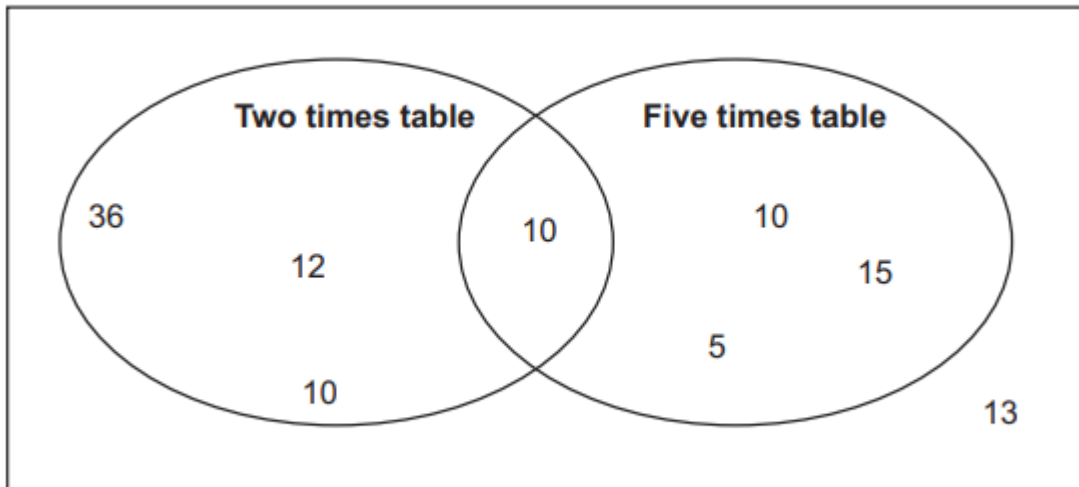


Suggest **one** way Hassan could improve his bar chart.

.....



9) Ahmed draws a Venn diagram.



Pierre says,

'Ahmed you have made a mistake.'

(a) Write an explanation showing Ahmed how to improve his Venn diagram.

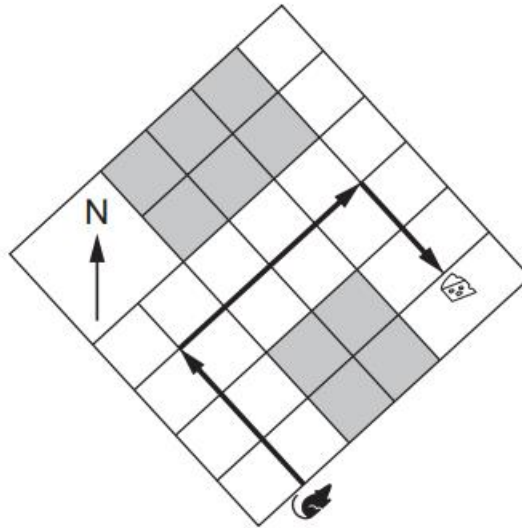
.....  
 .....  
 ..... [1]

(b) Ahmed adds more numbers to his Venn diagram.

Describe **all** the numbers he writes in the intersection.

..... [1]

- 10) A mouse is put into a maze.  
The mouse follows the path to get to the cheese.

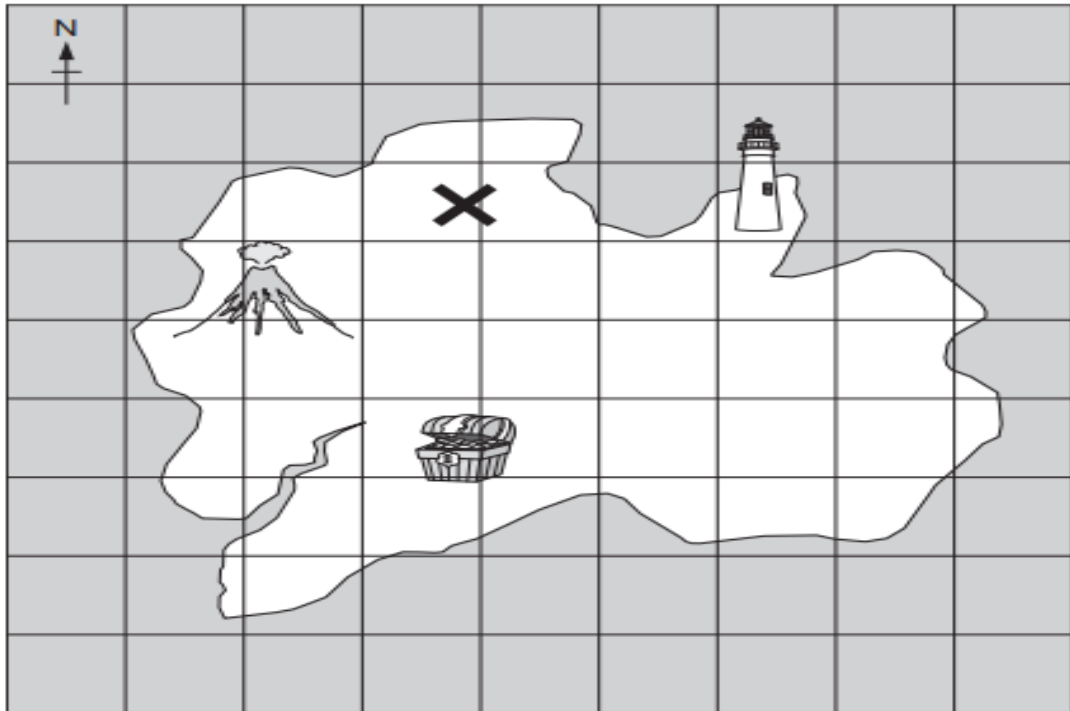


Complete the table to show the path the mouse takes.

Number of squares	Direction of arrow
3	
4	
2	




11) Here is a map of an island.

Jamila is standing on the place marked with a cross (X).



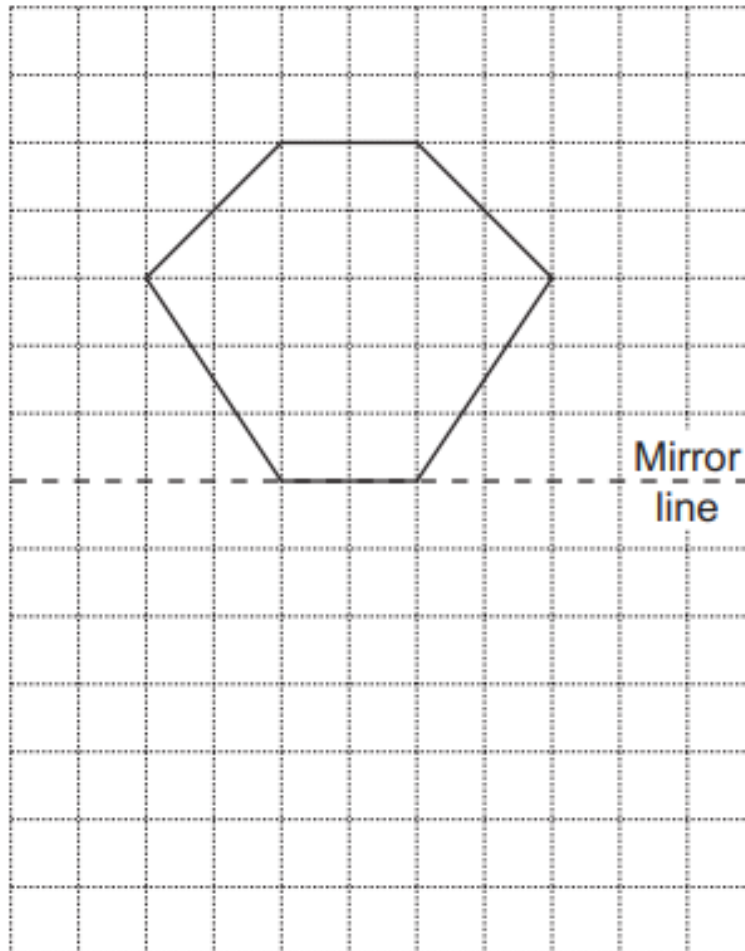
Complete the table showing the direction of the treasure, lighthouse and volcano from the cross (X).

One has been done for you.

		Direction from cross (X)
treasure		south
lighthouse		
volcano		

12) Draw the reflection of this shape in the mirror line.

Use a ruler.



13) Plot the point (4, 6).      (3,8)      (0,2)      (5,0)

