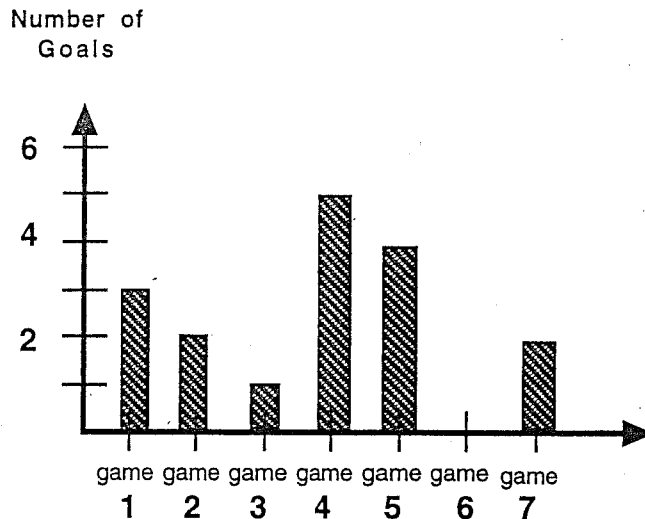
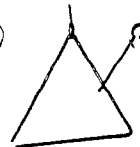
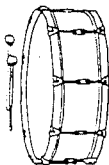


1. Here is a graph of the results of the Faulkland Primary School's top netball team, last year:

Number of Goals Scored in Netball Games



- a) In which game did they score exactly 4 goals?
  - b) What was the most number of goals that they scored in any game?
  - c) How many games did they play?
  - d) Write a sentence telling what you think happened in game 6.
2. Which animal would you be **least** likely to see in a tree?  
tui, dog, sparrow, cat.
3. Make a label for each of the the storage boxes that you would use to sort out the things below.



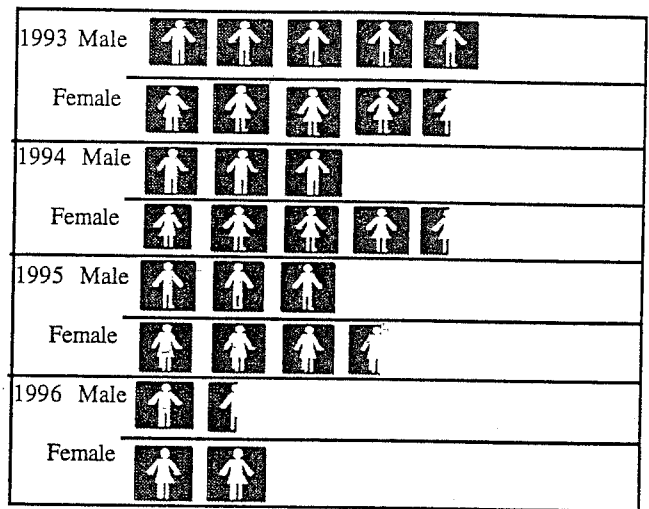
4. Each student from room 4 was asked to count the number of snails in different parts of a garden. Here are their results:

8	2
7	2 3 5
6	0 5 7 8 8
5	1 1 1 1 4 6 8
4	0 2 5 7 9
3	1 4 4 5 6
2	3 8 9
1	

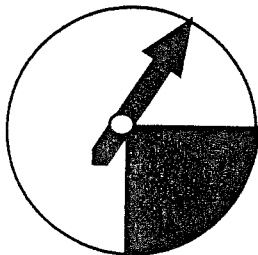
- a) What was the largest number of snails found?
- b) What was the most common number of snails found?

5. A firm employs young men and women on training courses. This pictogram shows the number of new people employed each year.

- a) In which year were more young men than women employed?
- b) What is the total number of men and women employed in 1995?
- c) What do you think will happen to the number of trainees in 1997?



6. This circle is part of a spinner.



- a) When the arrow is spun what is the chance that it will land on the shaded part of the circle?
- b) If the arrow was spun 100 times how many times would you expect it to land on the shaded part?

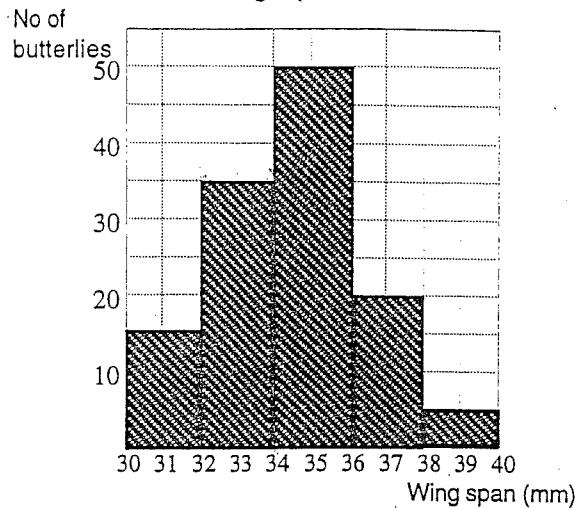
7. A new board game uses a spinner, with a circle and arrow, similar to the one in question 3.

The circle is divided into 3 parts coloured RED, BLUE and YELLOW.

If the arrow is spun 80 times we would expect it to land on RED 20 times and BLUE 40 times. Show how the circle on your answer sheet would be divided and coloured to make the spinner.

8. A research biologist catches butterflies and measures their wing spans. His results are shown on this graph.

- a) How many butterflies had a wing span between 32mm and 34mm?
- b) How many butterflies had a wing span of over 36mm?
- c) What is the total number of butterflies caught by the biologist



9. A student measures the amount of rain which falls each day over a period of sixteen days. When arranged in order her results in mm are:

0 0 0 0 0 0 0 0 0 2 6 8 10 13 16 17

For her results calculate the

- a) mode
- b) median
- c) mean (correct to 1 decimal)

10. In a game of "Blotto" a normal six sided dice is rolled to determine the score. What is the probability of rolling

- a) the number 1
- b) an odd number
- c) a number greater than 4

LEVEL 2

LEVEL 3

LEVEL 4

DATA DISPLAY

1 a) Game 5

4 a) 82

8 a) 35

b) 5

b) 51

b) 25

c) 6 or 7

c) 125

INTERPRETING REPORTS

d) Answers will vary

5 a) 1993

9 a) 0 (mm)

b) 65 to 68

b) 0 (mm)

c) any sensible answer which matches downward trend

c) 4.5 (mm)

PROBABILITY

2) dog

6) 1/4 or 25%

10 a)  $\frac{1}{6}$

b) 25

b)  $\frac{1}{2}$  or  $\frac{3}{6}$

c)  $\frac{2}{6}$  or  $\frac{1}{3}$

PROCESSES

3) Logic & Reasoning

7) Logic & Reasoning

11) Communication

flowers

music

answers will vary

shoes

