

- 1 Draw a shape to match the properties in each section of the Carroll diagram.

|                           | Has right angle | Does not have right angle |
|---------------------------|-----------------|---------------------------|
| Three-sided polygon       |                 |                           |
| Not a three-sided polygon |                 |                           |

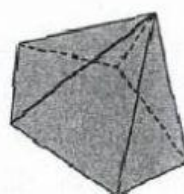
[2]

- 2 Sort these shapes into prisms and pyramids by ticking the correct boxes in the table below.

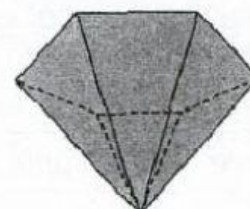
(a)



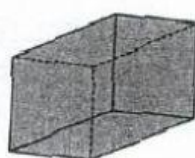
(b)



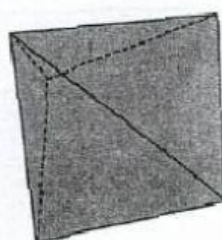
(c)



(d)



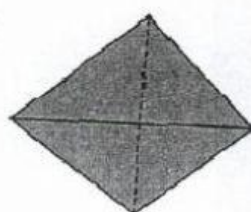
(e)



(f)



(g)



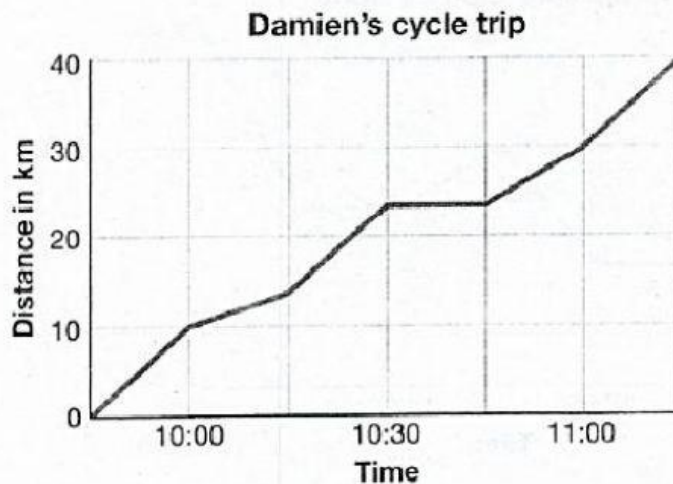
(h)



|         | (a) | (b) | (c) | (d) | (e) | (f) | (g) | (h) |
|---------|-----|-----|-----|-----|-----|-----|-----|-----|
| Prism   |     |     |     |     |     |     |     |     |
| Pyramid |     |     |     |     |     |     |     |     |

[1]

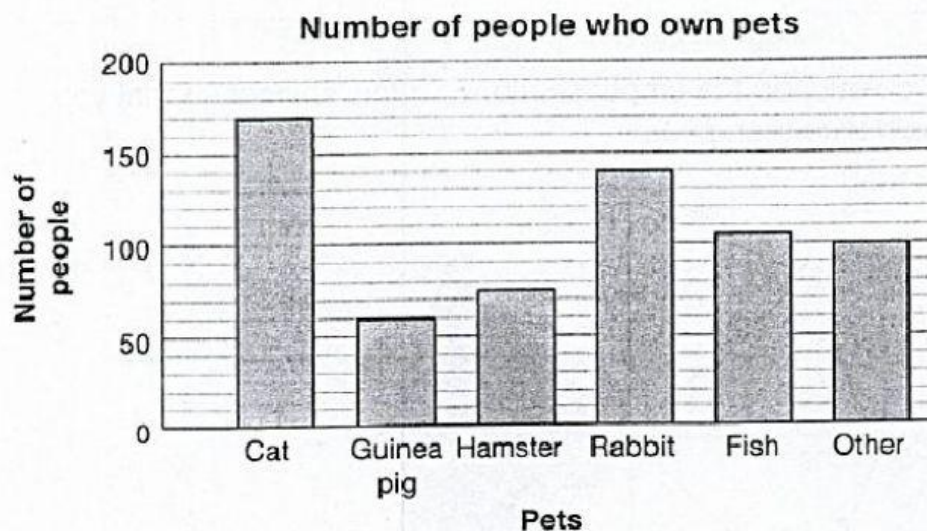
3 This graph shows Damien's cycle trip.



(a) For how long did Damien stop cycling? ..... minutes [1]

(b) How far did he travel between 10:00 and 10:45? ..... km [1]

4 This bar chart shows the results of a survey about the pets owned by a group of people.



(a) How many people own other pets? ..... [1]

(b) Which pets are owned by more than 150 people? ..... [1]

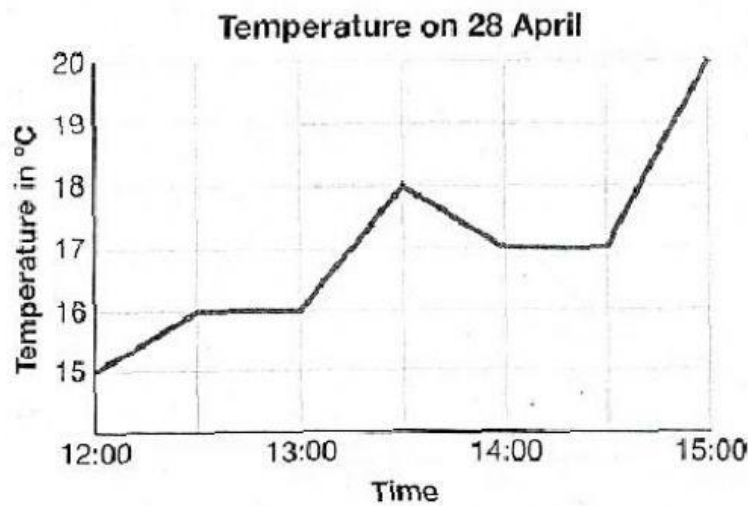
(c) Do more people own hamsters than guinea pigs? ..... [1]

(d) Estimate the number of people who own hamsters. .... [1]

(e) Approximately how many people own fish? ..... [1]

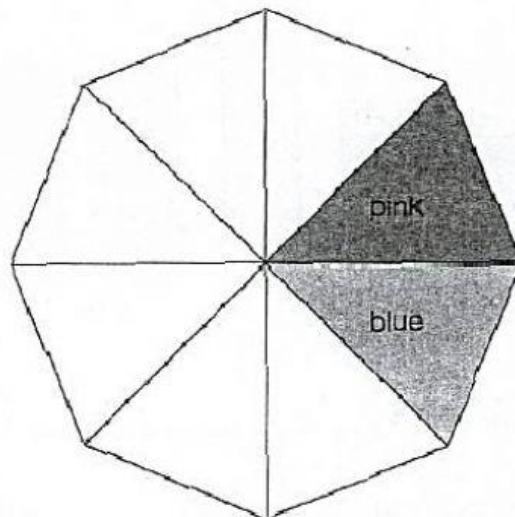
(f) How many more people own cats than own rabbits? ..... [1]

- 5 This graph shows the temperature one day.



- (a) What was the lowest temperature? ..... [1]
- (b) When did the temperature drop? ..... [1]
- (c) What was the temperature at 14:30? ..... [1]
- (d) By how many degrees did the temperature rise between 13:00 and 13:30?  
..... [1]

- 6 Write the names of colours on the empty sections on this spinner so that you are more likely to spin blue than pink.



[1]

7 (a) What is the likelihood of getting an odd number on a 1–6 dice?

[1]

Circle your choice. impossible   unlikely   even chance   likely   certain

[1]

(b) What is the likelihood of getting the number 7 on a 1–6 dice?

Circle your choice. impossible   unlikely   even chance   likely   certain

[1]

8 Here are the prices of seven pairs of sunglasses.



(a) Write the prices in order, starting with the lowest.

.....

[1]

(b) Which price is the mode? .....

[1]

(c) Which is the median price? .....

[1]

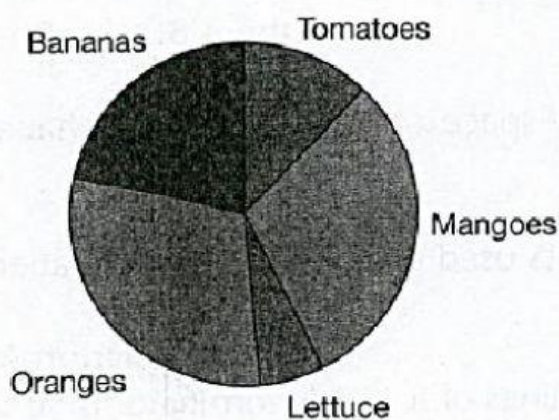
(d) Calculate the mean price. (You may use a calculator to help you.)

.....

.....

[1]

9 This pie chart shows the numbers of fruit and vegetables sold in a market.



(a) Which fruit or vegetable sold the least? ..... [1]

(b) Which item was the most popular? ..... [1]

(c) What did just under one quarter of people buy? ..... [1]

(d) 12 lettuces were sold. Estimate how many tomatoes were sold.

..... [1]

THE END