

'The Benefits of Animals' – Level 4 Mathematics
Curriculum

Statistics – 'Choose and construct quality data displays through using bar charts, frequency tables and histograms, communicating significant features in measurement data'.

It is assumed students are familiar with the following terms;

Collection of data
Tally and Frequency tables
Stem and Leaf graph
Bar graph

SPCA Auckland Education Secondary School Level



'The Benefits of Animals' – Level 4

We often form opinions of animals based on our experiences of them.



Rate the following benefits in order of **'importance'**, according to your **own** personal opinion.

To compile a good selection of data, make sure you do not compare your rating with anybody else.

Rating

1 = most important
10 = least important

- A. Dogs can be trained
- B. Dogs enjoy having company
- C. Dogs are loyal
- D. Dogs are loving
- E. Dogs reduce loneliness
- F. Dogs are soothing to touch
- G. Dogs improve owners physical health
- H. Dogs like to play
- I. Dogs protect their owners
- J. Dogs can be trained to work

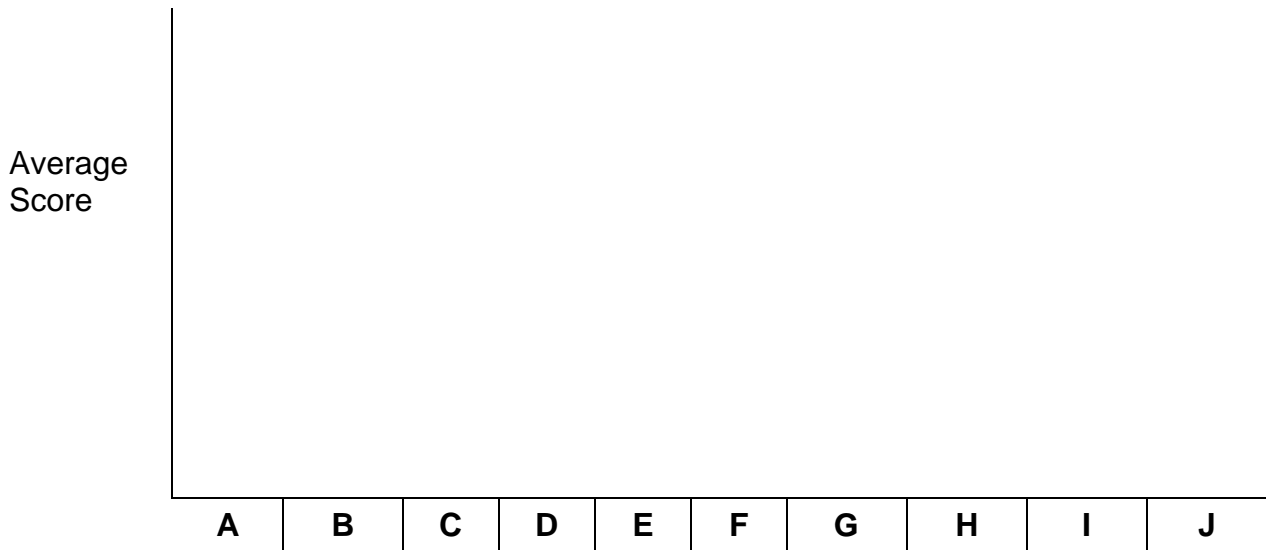
| Number | Rating |
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Compare your results with the rest of the class.
Fill in the table provided.



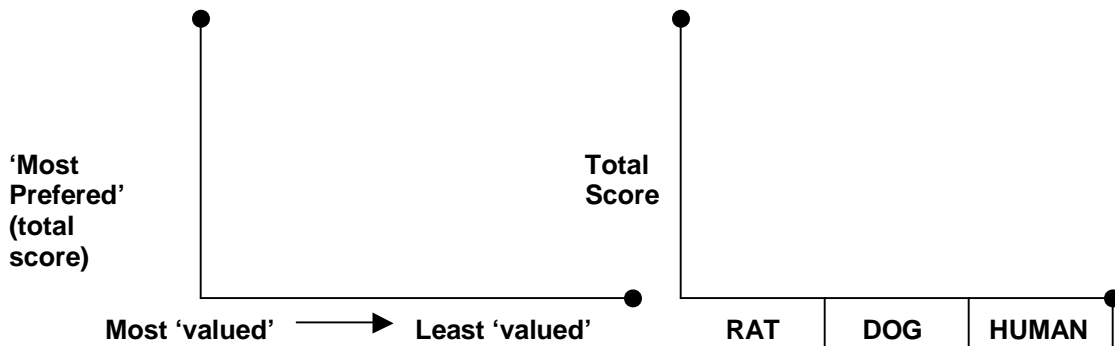
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| A | | | | | | | | | | | | |
| B | | | | | | | | | | | | |
| C | | | | | | | | | | | | |
| D | | | | | | | | | | | | |
| E | | | | | | | | | | | | |
| F | | | | | | | | | | | | |
| G | | | | | | | | | | | | |
| H | | | | | | | | | | | | |
| I | | | | | | | | | | | | |
| J | | | | | | | | | | | | |

Construct a graph as follows:



When you have finished compiling data information for dogs,
construct a similar list of benefits for cats.

Survey 5 different people, record your results in a table, and finally draw a bar graph listing your data information.



What is your opinion on protecting animals, even if we do not like them?

