



A dog runs 400 metres in 50 seconds.

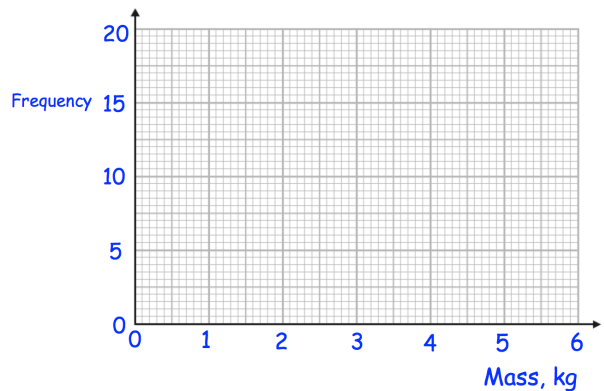
Calculate the average speed of the dog in m/s

Write the average speed of the dog in km/h

Here are the weights of some puppies

| Mass, kg       | Frequency |
|----------------|-----------|
| $0 < m \leq 1$ | 7         |
| $1 < m \leq 2$ | 13        |
| $2 < m \leq 3$ | 15        |
| $3 < m \leq 4$ | 6         |
| $4 < m \leq 5$ | 17        |
| $5 < m \leq 6$ | 12        |

Draw a frequency polygon



What percentage of the puppies weigh over 2 kilograms?

Nicky rolls a fair six-sided dice 50 times. He records the results however he misses two frequencies. The mean is 3.3

Find the two missing numbers.

| Number | Frequency |
|--------|-----------|
| 1      |           |
| 2      | 6         |
| 3      |           |
| 4      | 4         |
| 5      | 10        |
| 6      | 5         |

Work out the value of  $x^3 - 4x - 3$  when  $x = -1.5$