

Complete the Two Way Table

| | Swimming | Tennis | Athletics | Total |
|--------|----------|--------|-----------|-------|
| Female | | | 19 | |
| Male | 36 | 42 | | |
| Total | 79 | | 54 | 200 |

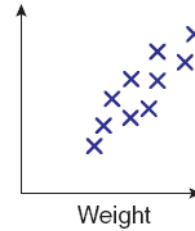
A student is picked at random, what is the probability a female tennis player is selected?

*Averages from a table

| Time (t minutes) | Frequency |
|------------------|-----------|
| $0 < t \leq 4$ | 4 |
| $4 < t \leq 8$ | 11 |
| $8 < t \leq 12$ | 4 |
| $12 < t \leq 16$ | 1 |

Estimate the mean.
Determine the modal group and location of the median.
Plot the frequency polygon of this data.

Scatter Graphs.



What type of correlation is shown here?
What could the vertical axis represent?

Questionnaires.

Write two things wrong with this question.

How many hours do you spend listening to music?

- 1 to 5 5 to 10
 10 to 20 Over 20

Stem and Leaf diagrams

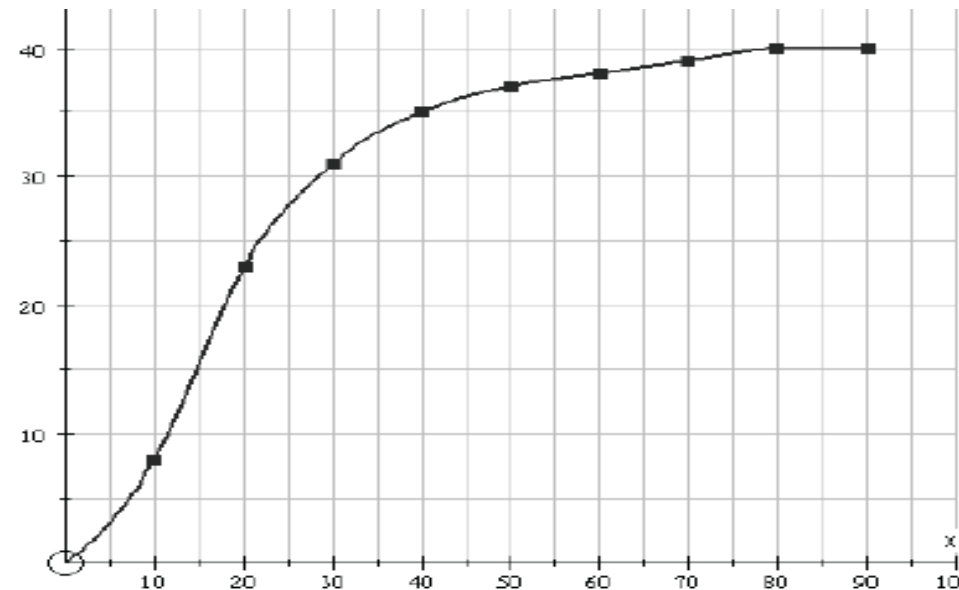
| | |
|---|-----------------|
| 1 | 3 5 7 7 |
| 2 | 0 6 8 8 8 9 |
| 3 | 1 5 5 5 5 6 8 9 |
| 4 | 1 5 |
| 5 | 2 |

Key: 5 | 2 means 5.2cm

Calculate

- The range
- The mode
- The median
- The interquartile range

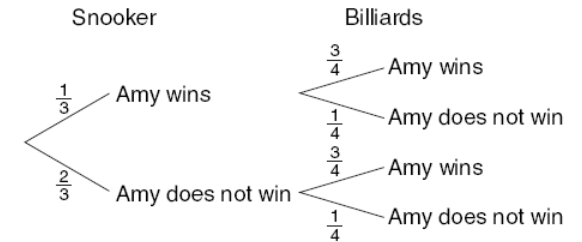
Cumulative Frequency and box plots.



Determine the values of minimum, LQ, median, UQ and maximum.

Construct a box plot using the data above.

Probability - tree



What is the probability that Amy wins at least one game.

Probability - table



| Number | 1 | 2 | 3 | 4 |
|-------------|-----|-----|-----|-----|
| Probability | x | 0.3 | 0.2 | x |

Calculate the value of 'x'.

The spinner is spun 300 times, estimate the number of times it will land on '2'.