

# Measures of location and spread



In a shopping survey a random sample of 120 teenagers were asked how many hours, to the nearest hour, they spent online per week. The results are summarised in the table below.

Number of hours	Frequency
0 - 5	13
6 - 8	15
9 - 10	25
11 - 12	29
13 - 18	21
19 - 30	17

## Gold

Use linear interpolation to estimate the 10% to 90% interpercentile range using the table above.

## Silver

Use linear interpolation to estimate the interquartile range using the table above.

## Bronze

Use linear interpolation to estimate the median number of hours the teenagers spent online using the table above.

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