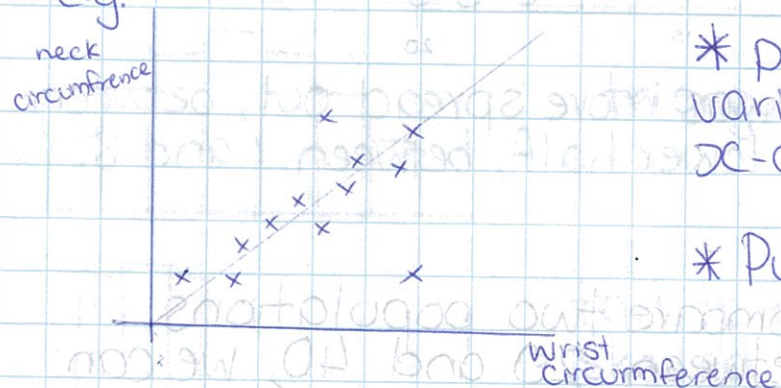


Relationship questions
 e.g. I wonder what the relationship is between neck circumference and wrist circumference.

or. I wonder if there is a relationship between age and reaction speed.
 e.g. I think older students will react faster.

The type of graph used to look for a relationship is a scatterplot

e.g.



* put ^{the} independent (or "cause") variable (if there is one) on the x-axis

* Put a line of best fit.

Excellence

* Extension: Find the equation of the line of best fit: $y = mx + c$

Gradient y-intercept

TASCU

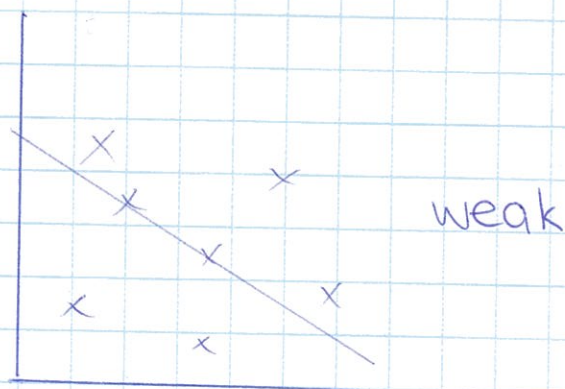
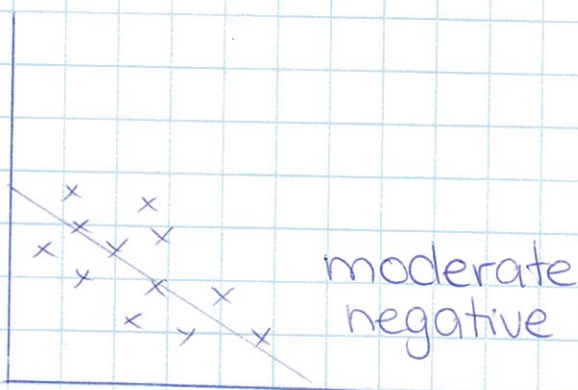
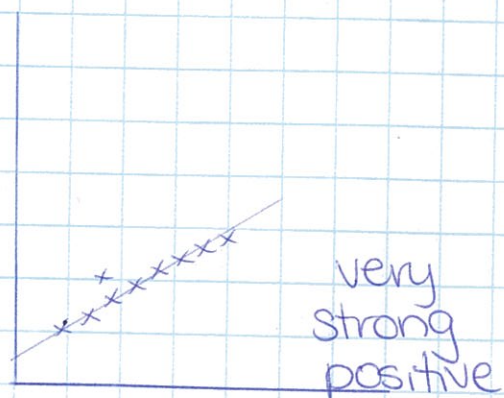
Analysis: Comment on:
 The type or trend of relationship
 i.e. positive linear

negative linear

or curved

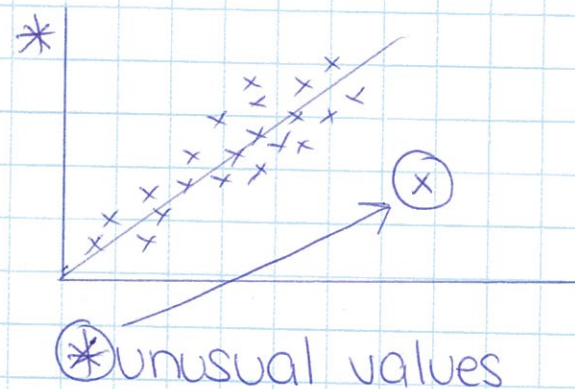
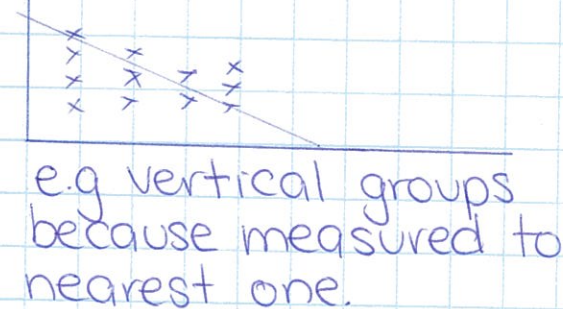
Association: e.g. as height increases, armspan increases too.

Comment on the strength



Groupings

e.g.



Conclusion: Describe the relationship in a sentence in context.

e.g. I found that the relationship between height and armspan was a strong, linear, positive relationship. The gradient was about 1, showing that armspan and height are very similar.