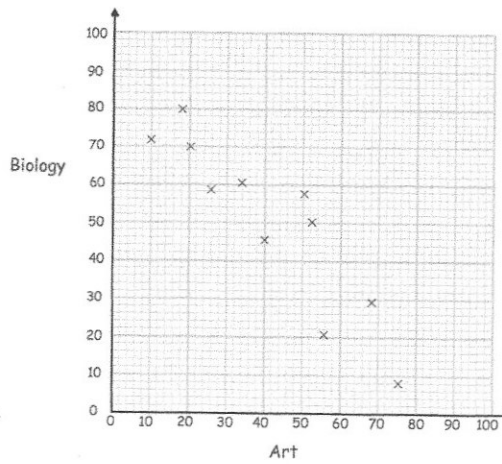
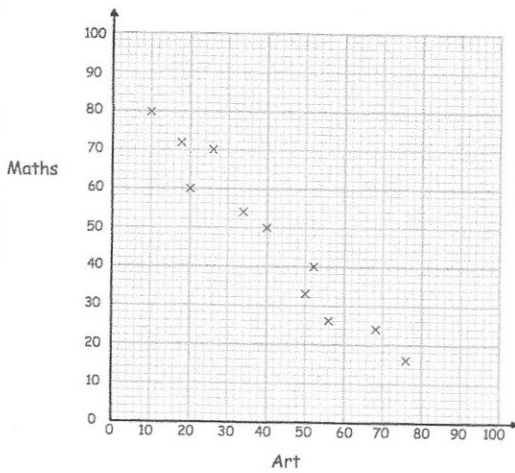




Eleven students sit examinations in Art, Maths and Biology.  
Information about the results are shown in the scatter graphs below.



Describe the correlation between the biology scores and art scores.

*Negative correlation*

Describe the correlation between the biology scores and maths scores.

*Positive correlation*

A number,  $w$ , has been truncated to two decimal places.

The answer is 5.84

Write down the error interval for  $w$ .

$$5.84 \leq w < 5.85$$

A cylinder is placed with one of its flat faces on a table.  
The cylinder has a weight of 400N and has a diameter of 10cm.

$$r = 5$$

Work out the area of the base of the cylinder.

$$\pi \times 5^2 = 78.539... \text{ cm}^2$$

Work out the pressure on the table in Newtons/cm<sup>2</sup>

$$400 \div 78.539... = 5.093 \text{ N/cm}^2$$