

Y10 Foundation Maths Weekly Task Grid – Week commencing 8th June

This week's topic focus is **Scatter Graphs**

Please complete all 4 tasks. There will also be a **zoom lesson** to support with this work. (Details will be on SMHW)

Starter:

Quick 10 (no Calc)

- 1) 23×17
- 2) Share £48 in the ratio 3:5
- 3) Increase 120 by 10%
- 4) Round 324 to 1sf
- 5) Estimate 19×47
- 6) Expand $2(x+3)$
- 7) Solve $3x + 2 = 11$
- 8) What is the LCM of 15 and 20
- 9) $2 + 3 \times 4$
- 10) $\frac{2}{5}$ of 35

Problem solving: Ashley chooses three different whole numbers between 1 and 50. The first number is a prime number. The second number is 4 times the first number. The third number is 6 less than the second number. The sum of the three numbers is greater than 57. What could Ashley's numbers be?

Video on how to do it

Try to attend the zoom lesson first...

You can choose which video you want to watch to refresh your memory on how to do Scatter Graphs

[Scatter Graphs - Maths Genie](#)

[Scatter Graphs - Corbett Maths](#)

Practice Questions

You can choose which questions you want to use to practice Scatter Graphs. The links to the answers are also provided so you can check them when you are finished.

[Scatter Graphs - Corbett Maths](#)

(The first few questions require you to draw a scatter graph, you only need to do one of these.)

Or

Mathspad - Log on with the details attached on show my homework and complete activity on scatter graphs

Or

MyMaths - Log on with the details attached on show my homework and complete activity set on scatter graphs

Exam Question Practice: Foundation (Non-Calculator)

Show any working out

- 1) Helen goes to the shop.

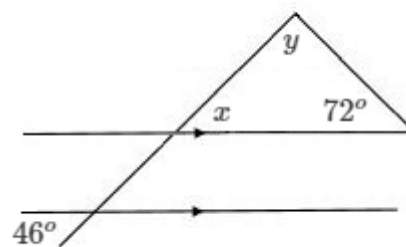
She buys:

- 2 packets of crisps each costing 90p
- 3 bags of sweets each costing 55p
- 5 packets of chewing gum

Helen pays £10 and gets £2.05 in change.

How much does a packet of chewing gum cost?

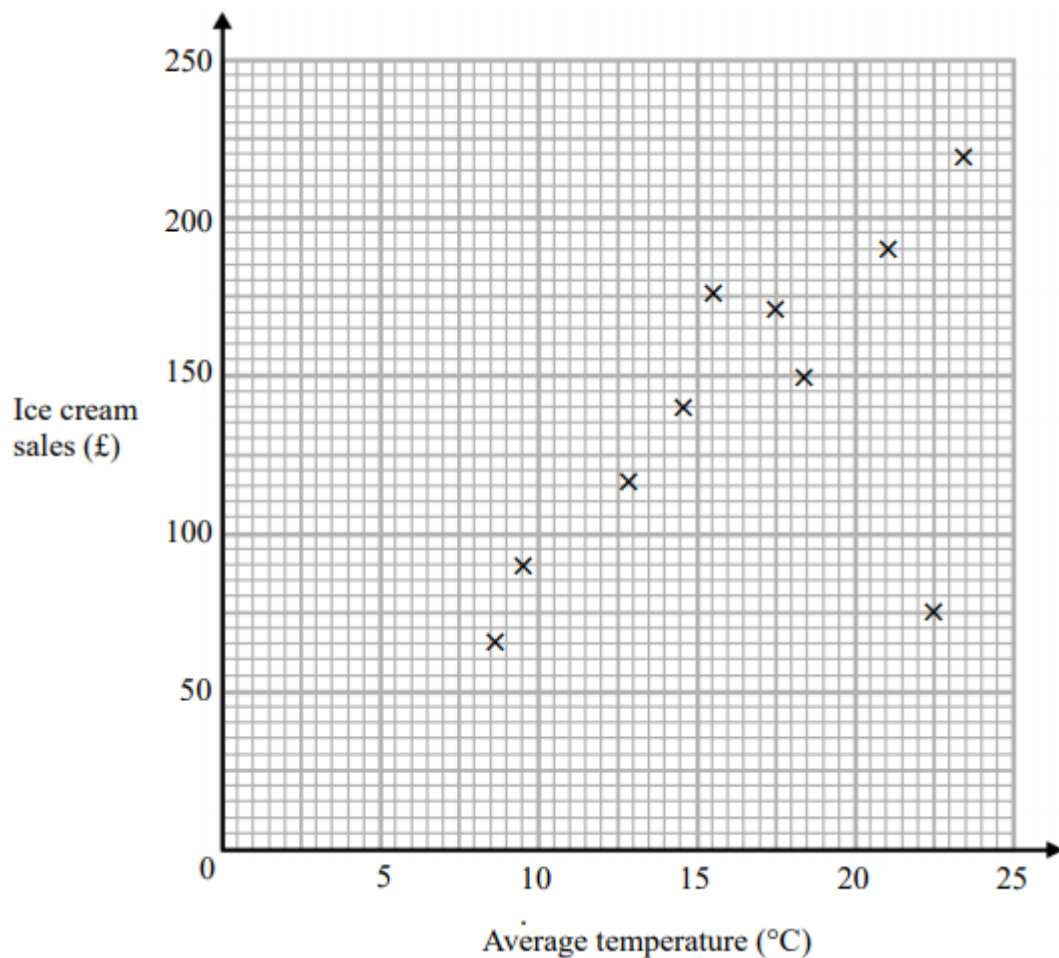
Find angles x and y . (Diagram is not to scale)



- 2)

On the next page is an exam question based on Scatter graphs

3) The average daytime temperature for 10 days is recorded. A shop also records its ice cream sales for each of the 10 days. The scatter graph shows this information.



(a) What type of correlation does the scatter graph show?

.....
(1)

(b) One of the points is an outlier. Write down the coordinates for this point.

(.....), (.....)
(1)

(c) On another day the temperature was 12°. Estimate the ice cream sales on this day.

£.....
(2)

(Total for question 3 is 4 marks)