

Fundamental Friday Worksheet 1 – 31st January 2014.

Fundamental Friday Worksheets are suitable for students of all abilities. For those students who are striving for a “C”, these are some of the key topics you will need to understand. For students aiming for the top grades, these are topics you must not drop any marks on.

Have a go before looking at the answers!

Speak to any maths teacher if you are unsure about any of the questions below.

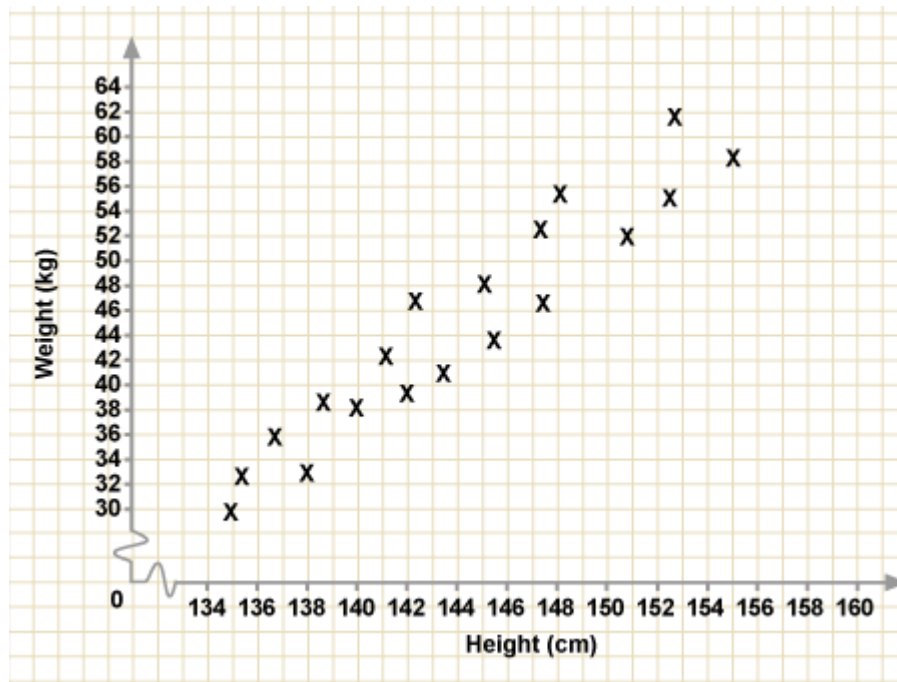
Q1) Without a calculator, work out 42×17

Q2) Expand $4(2a+4)$

Q3) Draw a stem and leaf diagram of the speeds of these 16 cars. Speeds are in mph.

45	52	34	46	32	29	60	38
37	48	50	65	27	34	47	45

Q4) The scattergraph shows the relationship between the height and weight of some students.



- a) Describe the relationship between height and weight.

Q5) The table below shows the time students took to walk to school. Work out an estimate for the mean time taken for a student to walk to school.

Time taken / m (mins)	Frequency	
$0 < m \leq 10$	12	
$10 < m \leq 20$	8	
$20 < m \leq 30$	6	
$30 < m \leq 40$	4	

*****Use your calculator!

Q6) Work out the value of

a) 8^2

b) 4^3

c) 5^0

d) $\sqrt{36}$

Q7) Simplify $4a + 3b - 2a + 6b$

Q8) Calculate the value of the expression below when $x = 4$ and $y = -2$

$$2x^2 + 4y$$