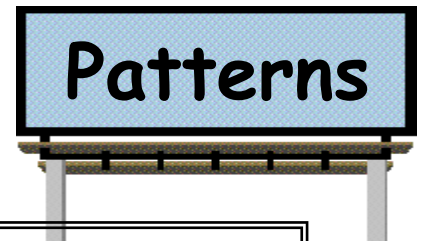


S1 Level 3 Formal Homework

(Show all working!)



Non Calculator Section: If working is not shown for this section then no marks will be awarded.

1. a) $125.45 + 25.1$ b) 127.25×4 c) $896 \div 5$

2. Write the next 3 numbers in each sequence:
(a) 11, 14, 17, 20, ... (b) 16, 9, 2, ...
(c) 40, 20, 10, ... (d) 100 000, 1000, 10, ...

3. (a) Copy and complete the table of van hire charges.

No of Days (D)	1	2	3	4	5	6
Cost in £ (C)	8	16				

- (b) Write a formula for the cost of hiring a van using symbols.
(c) Use the formula to find the cost for 2 weeks.

4. Mario, a plumber, charges a call out fee of £20 and £30 per hour for every job he carries out.

No. of Hours (H)	1	2	3	4
Cost of job (C)	50	80		

- (a) Copy & complete the table above.
(b) Complete the formula to calculate the cost of hiring Mario.
 $C = ? \times H + ?$
(c) How much would it cost for a job that lasted 6 hours?
(d) Luigi is only willing to spend £290 on fixing his sink.
What is the maximum numbers of hours he could hire Mario for?

Revision Section:

5. What is the highest common factor of 18 and 36?
6. Round the following numbers to two decimal places:-
(a) 15.245 (b) 875.997
7. Megan and Kate share a £56 000 prize in the ratio of 3 : 4
How much does Megan and Kate get each?