



Patterns 2

1. Shown below are some tables of values connecting pairs of letters

a. Find a formula connecting the cost (**C**) to the number (**N**)

Number (N)	1	2	3	4	5
Cost (C)	5	8	11	14	17

C =

(ii) If the number (**N**) is 20, what would the cost (**C**) be?

b. Find a formula connecting the distance (**D**) to the steps (**S**)

Steps (S)	1	2	3	4	5
Distance (D)	10	14	18	22	26

D =

Use the formula to work out:

(ii) If the steps (**S**) is 15, what would the distance (**D**) be?

(iii) If the steps (**S**) is 20, what would the distance (**D**) be?

(iii) If the distance (**D**) is 94, what would the steps (**S**) be?

I have demonstrated in the questions that I have understood how to complete a pattern and find a formula connecting the two variables

R A G