Have a look at this table square or matrix:

| $\mathbf{x}$ | 2 | 3 | 4 | 5 |
| :---: | :---: | :---: | :---: | :---: |
| 2 | 4 | 6 | 8 | 10 |
| 6 | 12 | 18 | 24 | 30 |
| 7 | 14 | 21 | 28 | 35 |
| 9 | 18 | 27 | 36 | 45 |

Can you see how it has been constructed?

You will notice that on the outside of the matrix, the numbers 2 to 9 are used to generate the numbers inside, and only one of these numbers is used twice (the 2).

1. Can you fill in the gaps below? [20 marks]
(The numbers 2-12 were used around the outside of the matrix,
With, as before, just one number used twice.)

| x |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 32 |  |  | 40 |  |  |
|  |  |  |  |  | 49 |  |
|  |  |  | 22 |  |  |  |
|  |  | 15 |  |  |  | 27 |
|  |  |  | 24 |  |  |  |
|  |  |  |  |  | 42 |  |

