Tiles and Cubes Game Series

Event:
In this game you are given two numbers. Use them to form a rectangle or square. Find the total and make as many arrangements as possible with the same total! Good luck!

FOR EXAMPLE:
If you pick the numbers 2 and 3, then your arrangements can look like:

```
  2  3
  2  3
```

Since the total number of tiles is 6, one of your new arrangements can look like:

```
  2  2  2
```

What are the rest?

FIRST TEAM TO MAKE ALL THE ARRANGEMENTS WINS THE ROUND!

TEAM MEMBERS
Tiles and Cubes Game Series:

Game 1

Numbers:

Total number of tiles to use: _____________

Total number of arrangements: _____________

Numbers:

Total number of tiles to use: _____________

Total number of arrangements: _____________

Numbers:

Total number of tiles to use: _____________

Total number of arrangements: _____________

Numbers:

Total number of tiles to use: _____________

Total number of arrangements: _____________

Numbers:

Total number of tiles to use: _____________

Total number of arrangements: _____________

Draw your arrangements in the grid on the next page.
APPLICATION
Use traditional mathematical symbols and numbers to represent your arrangements

Can you identify the factors of your numbers?

factor x factor = product

First Number:

Second Number:

Third Number:

REPORT OUT TO CLASS