LEARN *these words and what they mean:*

a) **Prime numbers:**
The only factors of these numbers are one and the number itself.
e.g. 1 x 2 = 2 1 x 3 = 3 1 x 5 = 5 1 x 23 = 23

Prime numbers can only be arranged into a *stick*:

e.g. • • • • • • • 1 x 7 • • • • • • • • • • • • • 1 x 13

(1 is NOT a prime number)

b) **Composite numbers:**
These numbers have more factors than 1 and the number itself:

e.g. 4 = 1 x 4 and 2 x 2 12 = 1 x 12 and 2 x 6 and 3 x 4

c) **Even numbers:**
These numbers can be divided by two and leave no remainder
Even numbers always end in 0, 2, 4, 6, or 8

d) **Odd numbers:**
These leave a remainder if divided by 2 . e.g. 7 ÷ 2 = 3 r 1
Odd numbers always end in 1, 3, 5, 7, or 9

Remember: E + E = E O + O = E E + O = O
(E = even O = odd)

e) **Square numbers:**

e.g.
. . . .
. . . .
. . . . 4 x 4
. . . .

f) **Rectangular numbers:**

. . . . .
. . . . . 3 x 5
. . . . .

Square numbers are also *rectangular* numbers.
All composite numbers are *rectangular* numbers

g) **3 x 9 = 27**
Factor *times* Factor = Product