

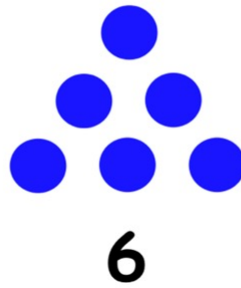
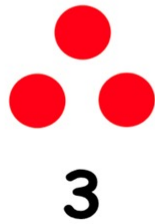
Triangular and Rectangular Numbers

Year 3

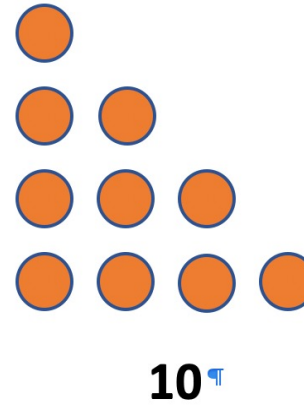
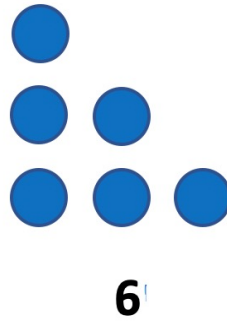
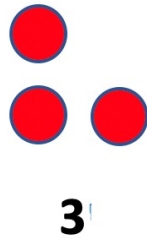
Sessions 17 & 18

2 Ways

Equilateral



Right angle



Different Colours



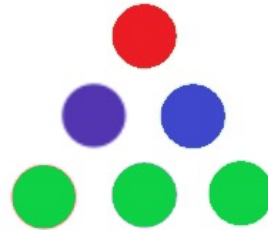
1

1



1+2

= 3



1+2+3

= 6

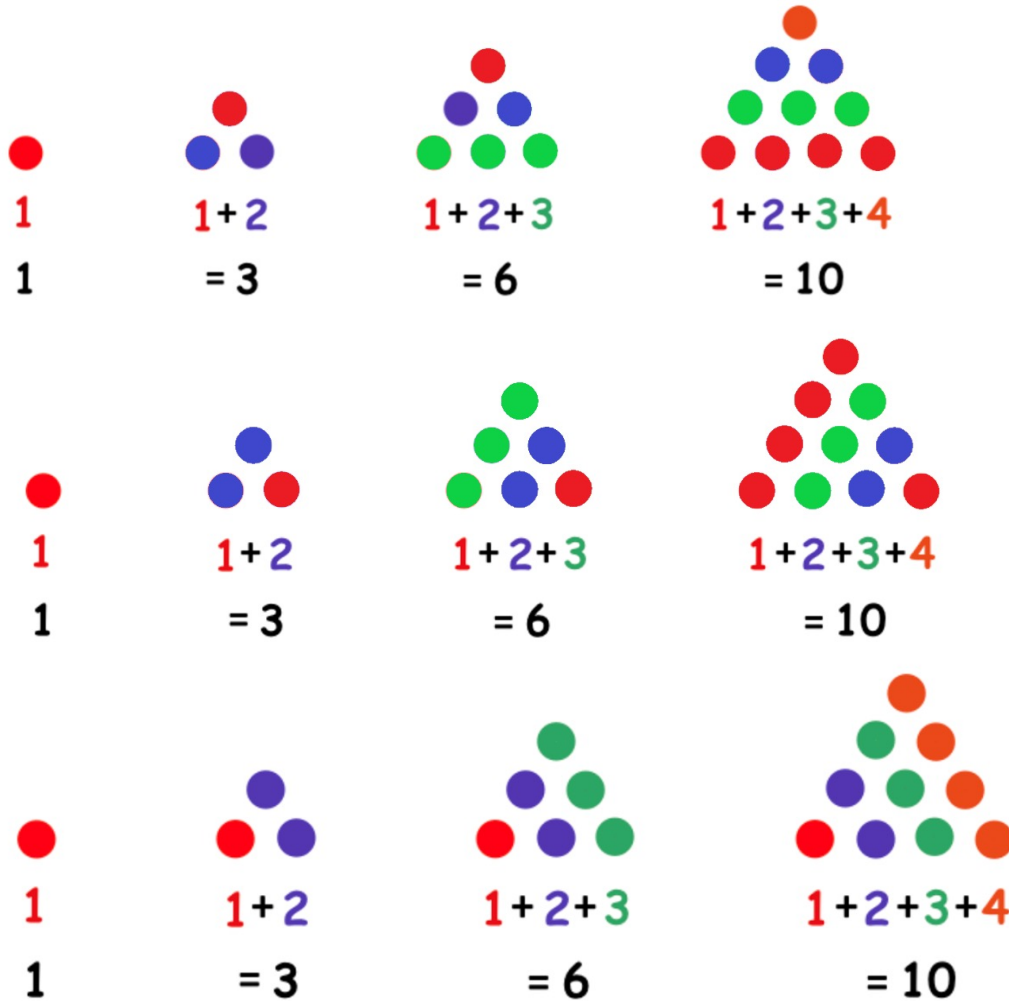


1+2+3+4

= 10

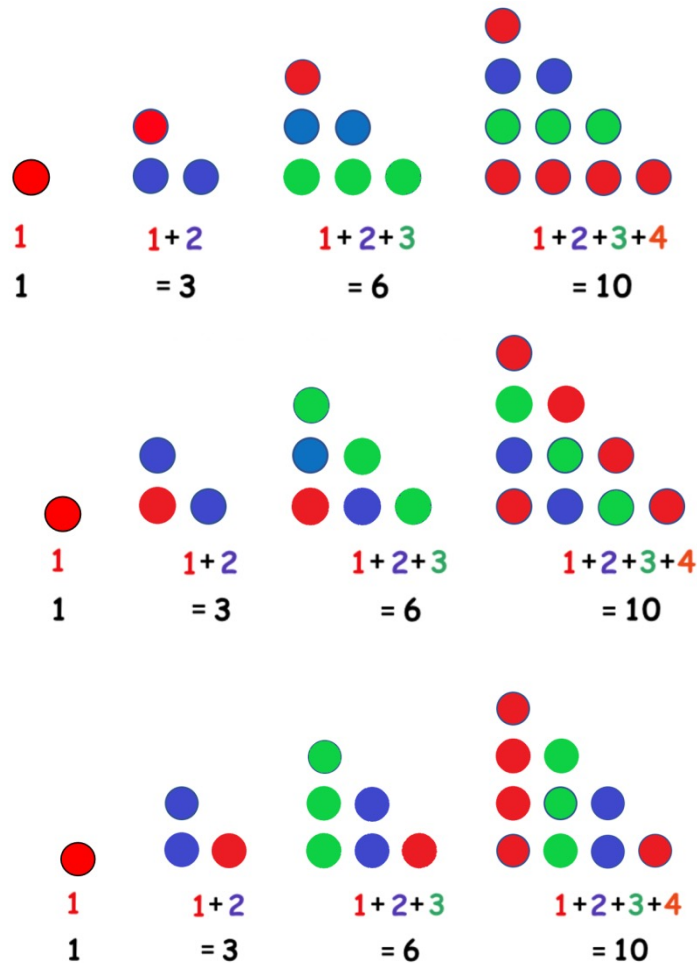
Different Ways

Equilateral



Different Ways

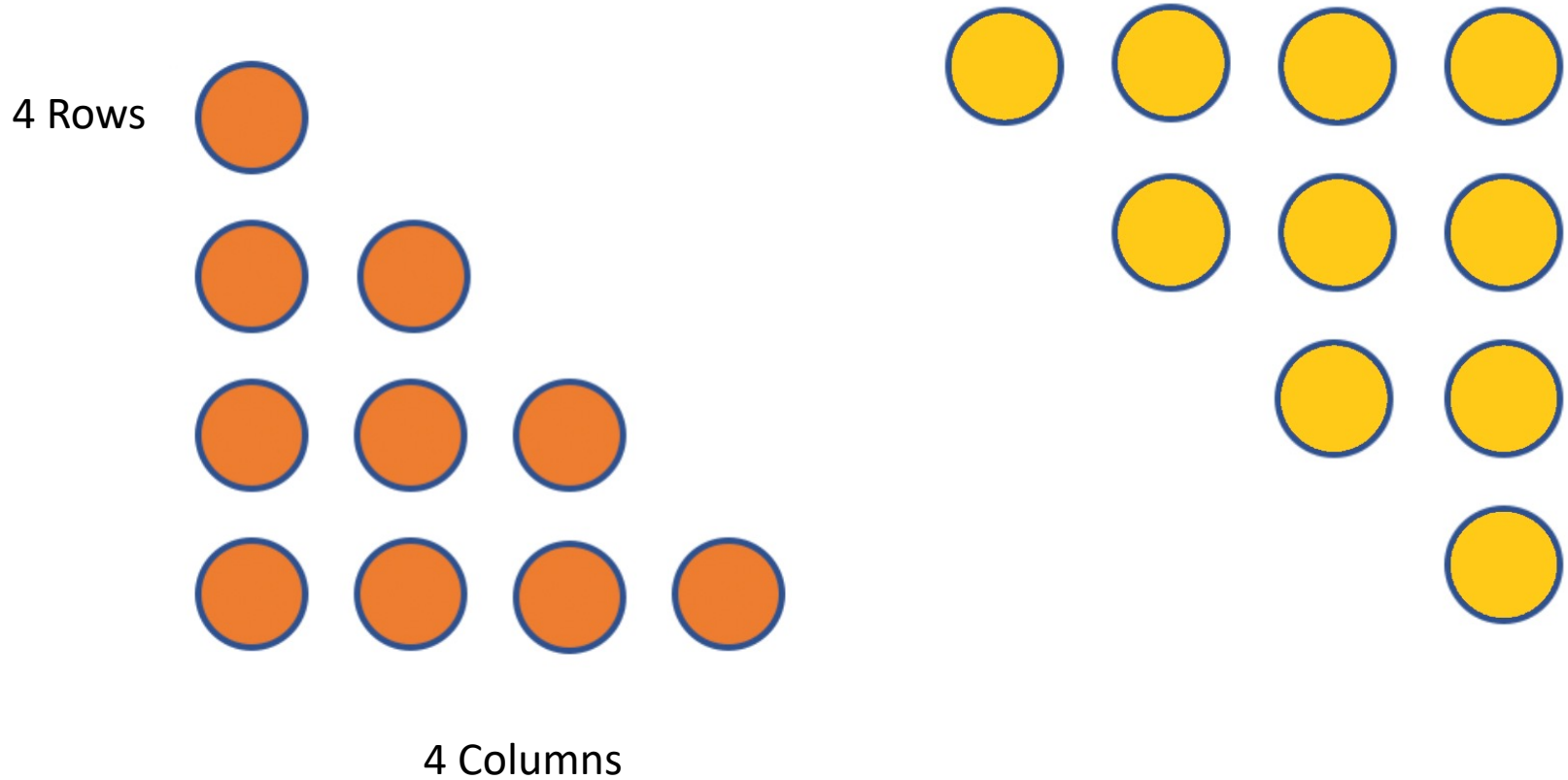
Right angle



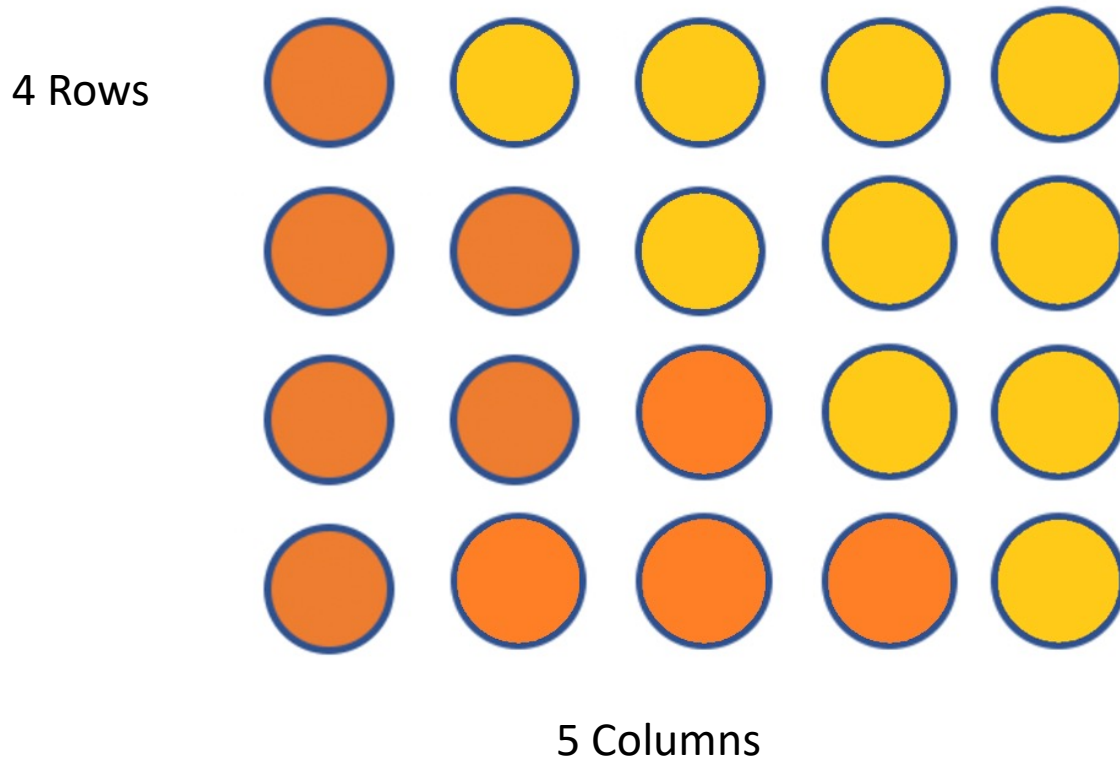
Complete the Pattern

Triangular Numbers	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th
No of dots	1	3	6	10	15	21	28	36
Patterns	+	+						

2 Triangular Numbers



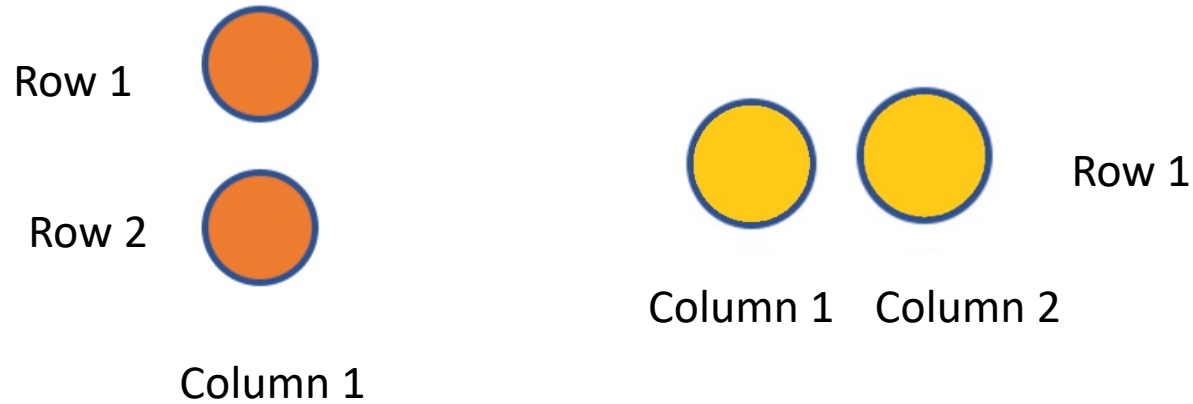
Equal a Rectangular Number



2 triangular numbers; **10** make 1 rectangular number; **20**.
This rectangular number is an array of **4 rows by 5 columns**.

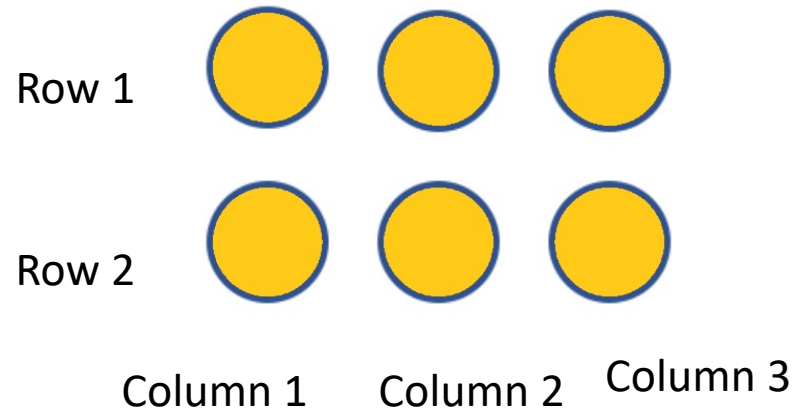
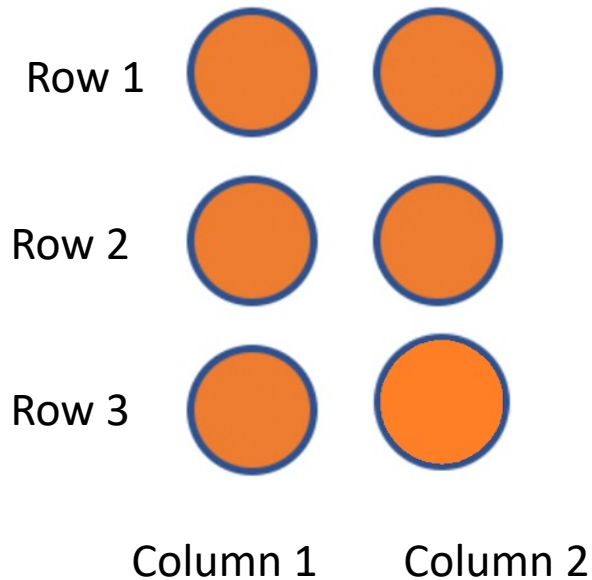
Rectangular Arrays and Numbers

2 is a rectangular number



Rectangular Arrays and Numbers

6 is a rectangular number



Can you make some more rectangular numbers?