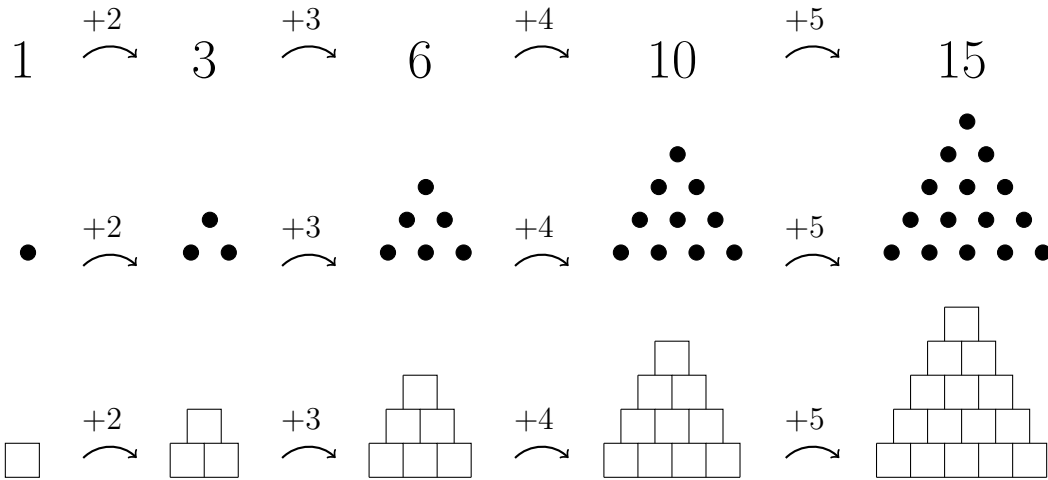
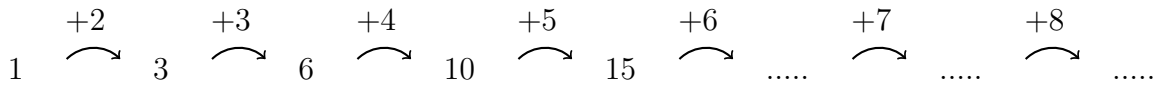


A sequence of triangle numbers is created by starting with 1 ...

... then adding on 2 ... then adding on one more each time.



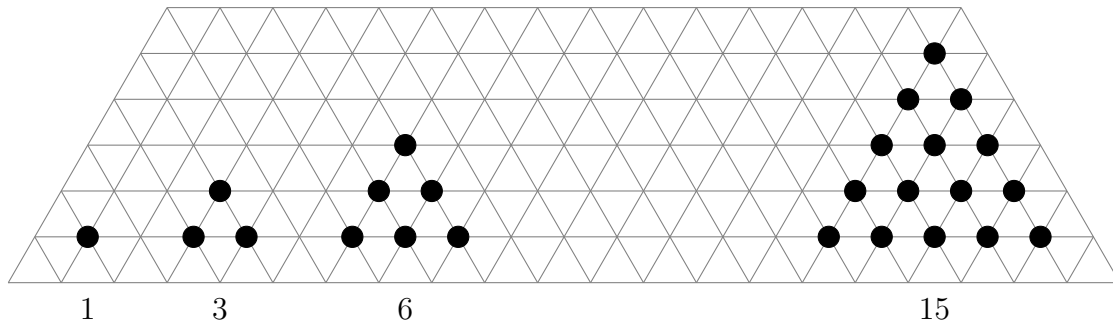
1. Here is a sequence of triangle numbers.



The rule to continue a triangle number sequence is add on one more each time.

Complete the next three triangle numbers in the sequence.

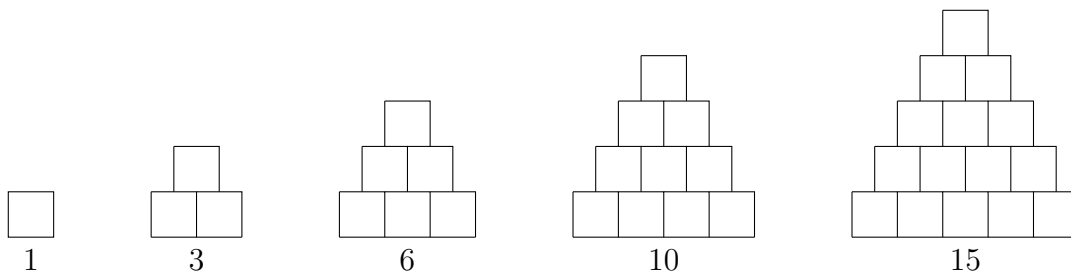
2. The number of dots in each pattern is a triangle number.



(i) Draw the 4th pattern.

(ii) Write down the 4th triangle number

3. The number of squares in each pattern is a triangle number.



Write down the next triangle number

Answers 1) 21, 28, 36 2) (i) ask your teacher to check (ii) 10 3) 21