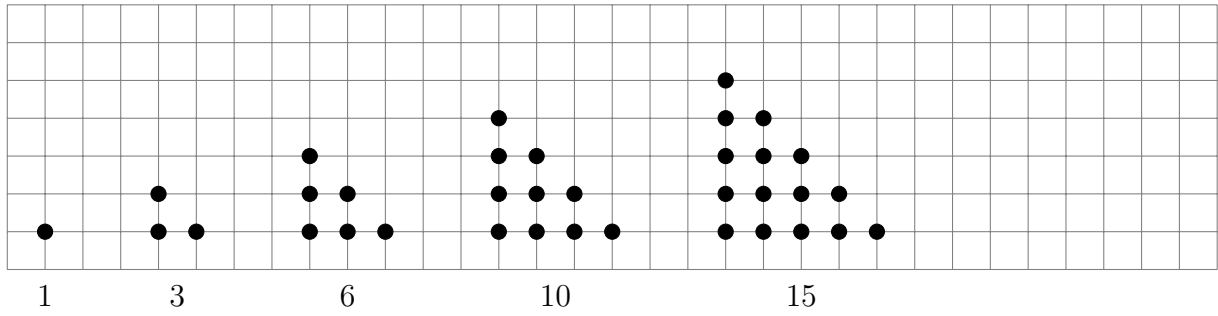


1. The number of dots in each pattern is a triangle number.



(i) Draw the next pattern.

(ii) Write down the next triangle number

1. ....

2. Here is a sequence of triangle numbers.

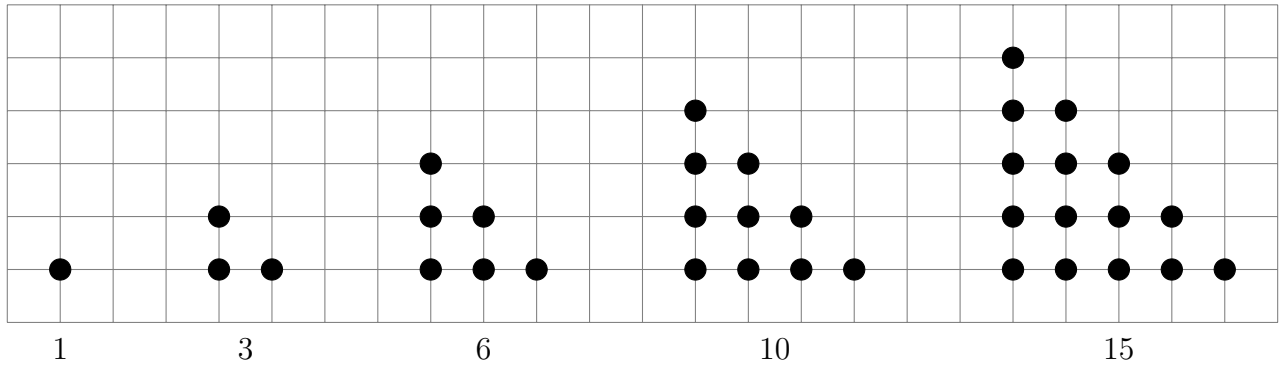
1      3      6      10      15

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

Write down the next two triangle numbers.

. . . . . and . . . . .

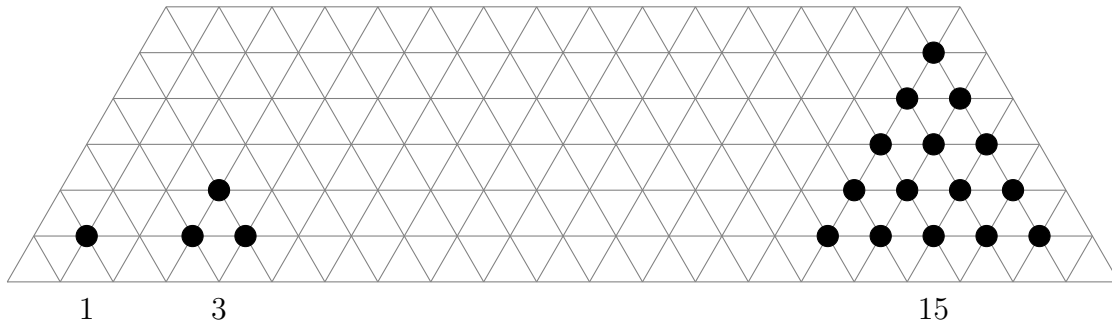
3. The number of dots in each pattern is a triangle number.



Write down the next triangle number

3. ....

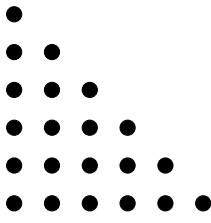
4. The number of dots in each pattern is a triangle number.



Write down the 3rd and 4th triangle numbers.

. . . . . and . . . . .

## Answers



(b) 21

2. 21 and 28

3. 21

4. 6 and 10