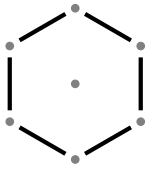
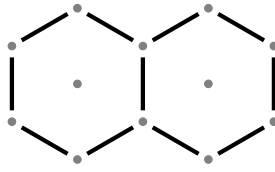


1. Here are the first three patterns in a sequence.

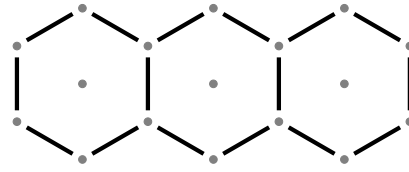
The patterns are made of sticks.



Pattern number 1



Pattern number 2



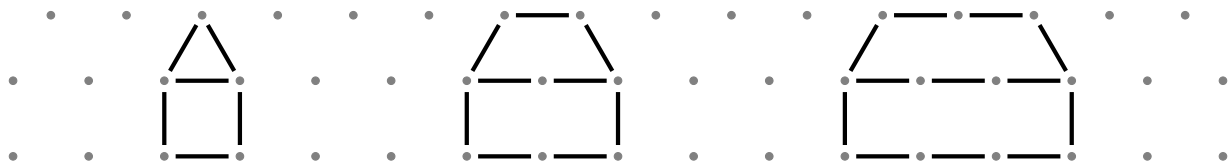
Pattern number 3

How many sticks are there in pattern number 9?

1.

2. Here are the first three patterns in a sequence.

The patterns are made of sticks.



Pattern number 1

Pattern number 2

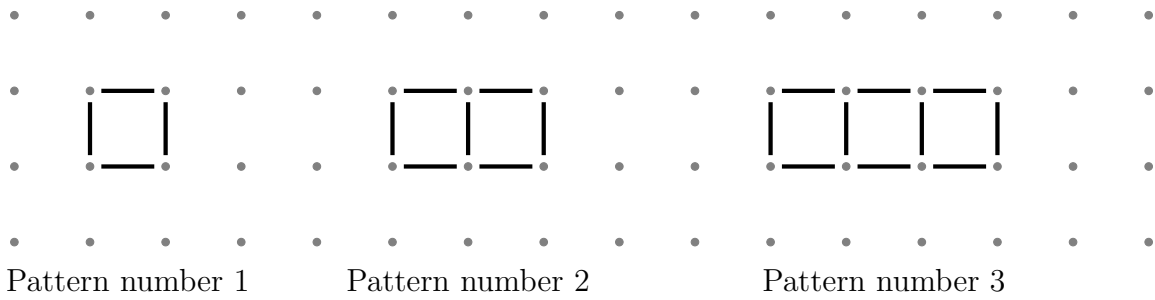
Pattern number 3

How many sticks are there in pattern number 7?

2.

3. Here are the first three patterns in a sequence.

The patterns are made of sticks.

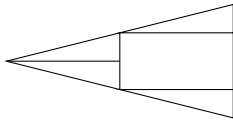


How many sticks are there in pattern number 6?

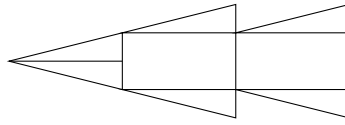
3.

4. Here are the first three patterns in a sequence.

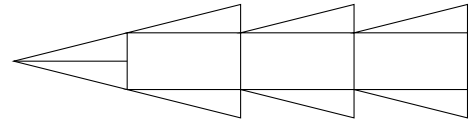
The patterns are made of rectangles and triangles.



Pattern number 1



Pattern number 2



Pattern number 3

How many triangles are there in pattern number 10?

4.

Answers

1. 46
2. 24
3. 19
4. 22