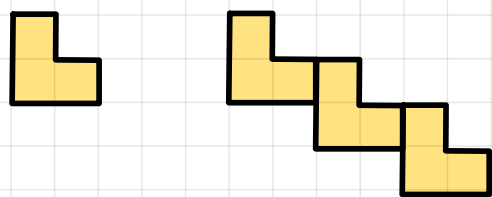
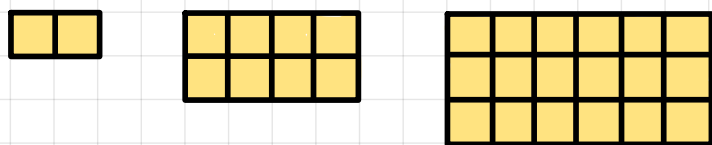


PREDICT AND CHECK

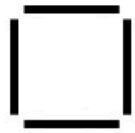
What does the word predict mean?



→ Can you predict the next two terms?
By drawing them, check if your prediction is correct.



Can you predict the next two terms?
By drawing them, check if your prediction is correct.



4



7



10

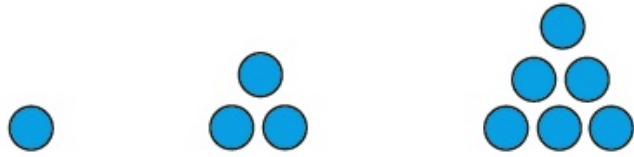


13

How many lines would be needed to draw
the fifth term?

How many lines would be needed to draw
the sixth term?

- 1 a) How many circles are in each term in this sequence?



- b) How many circles will there be in the next term?

Draw the next term to check your answer.

- 2 a) How many lines are in each term in this sequence?



- b) How many lines will there be in the next term?

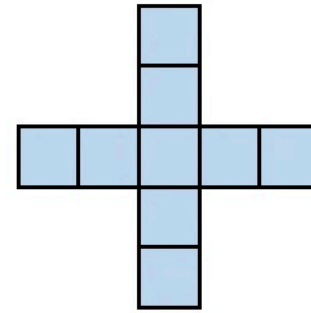
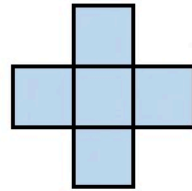
- c) How many lines will be needed for the 6th term?

Draw the terms to check your predictions.

- 3 How many triangles and lines will be needed to make the 5th term of this sequence?

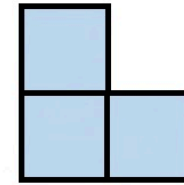
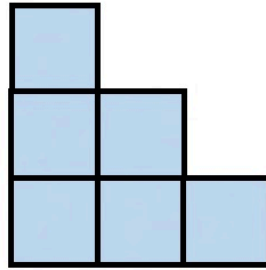
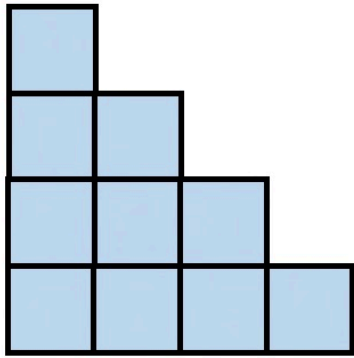


Draw the terms to check your predictions.



The 3rd term uses 9 squares so
the 6th term will need 18 squares.

Do you agree with Jack?
Draw diagrams to support your answer.



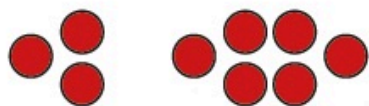
Eva says it is impossible to draw the 6th term of this sequence.

Is Eva correct?

Use diagrams to support your answer.

4

Annie and Dexter are predicting the next term in this sequence.



12 circles will be needed to make the next term.

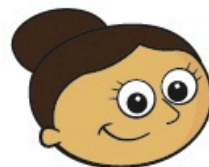
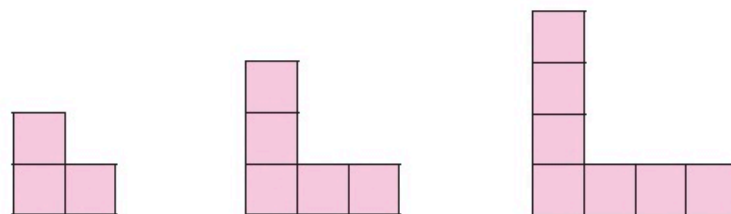
9 circles will be needed to make the next term.



- Explain why they could both be correct.
- How many terms do you need to be given to be certain of what the next term is? Explain your answer.

5

Dora is working out the number of squares in the 6th term of this sequence.



There will be 14 squares in the 6th diagram because there are 7 squares in the 3rd diagram. To get the number of squares in the 6th diagram you need to double 7

Is Dora correct?

Draw diagrams to support your answer.