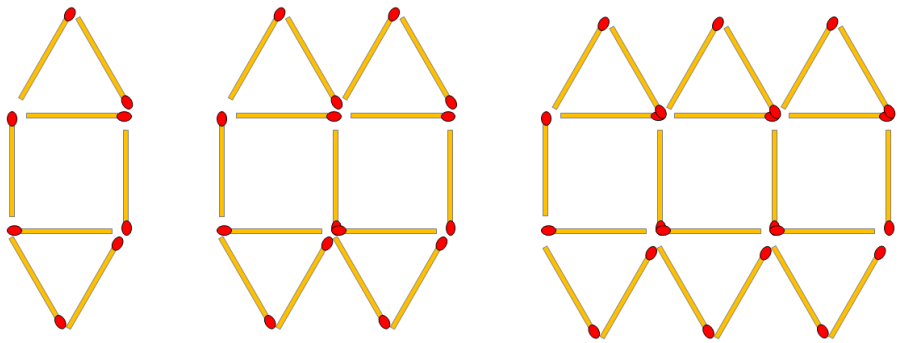
ACCESS MATHS

Find the nth term of the pattern



Turn the pattern into numbers first!

8 , 15 , 22

What is the term-to-term difference?

What is the 0th term?

1 8 , 15 , 22

-7 +7 +7

$7n + 1$

How many matchsticks will be in the 23rd pattern?

$7n + 1$

Substitute 23 into your nth term expression!

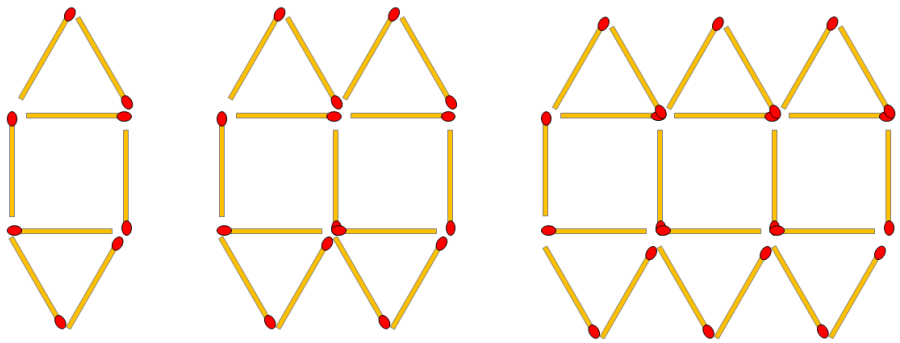
$7 \times 23 + 1$

$= 161 + 1$

$= 162$

ACCESS MATHS

Find the nth term of the pattern



Turn the pattern into numbers first!

8 , 15 , 22

What is the term-to-term difference?

What is the 0th term?

1 8 , 15 , 22

-7 +7 +7

$7n + 1$

How many matchsticks will be in the 23rd pattern?

$7n + 1$

Substitute 23 into your nth term expression!

$7 \times 23 + 1$

$= 161 + 1$

$= 162$