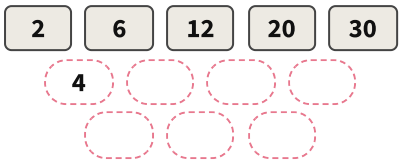
The nth term of a quadratic sequence *lesson handout*

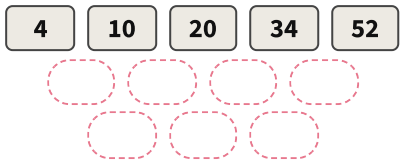
We do

Find the second difference of 2, 6, 12, 20, 30.



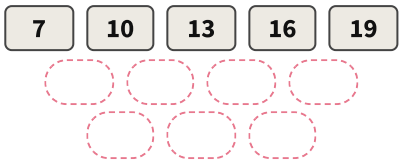
You do

Find the second difference of 4, 10, 20, 34, 52.



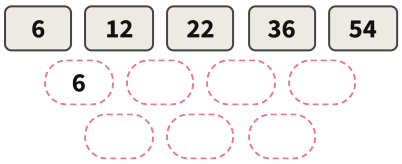
You do

Is 7, 10, 13, 16, 19 a quadratic sequence?



We do

Find the nth term of 6, 12, 22, 36, 54.



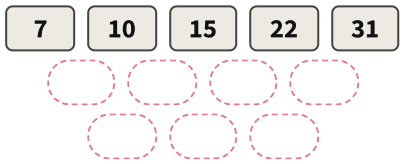
$\square \div 2 = \square \quad \square n^2$

sequence	6	12	22	36	54
the n^2 part					
what is left					

nth term

You do

Find the nth term of 7, 10, 15, 22, 31.



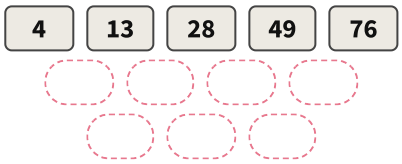
$\square \div 2 = \square \quad \square n^2$

sequence	7	10	15	22	31
the n^2 part					
what is left					

nth term

You do

Find the nth term of 4, 13, 28, 49, 76.



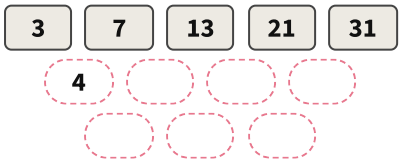
$\square \div 2 = \square \quad \square n^2$

sequence	4	13	28	49	76
the n^2 part					
what is left					

nth term

We do

Find the nth term of 3, 7, 13, 21, 31.



$\square \div 2 = \square \quad \square n^2$

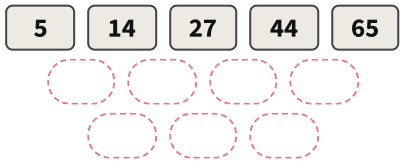
sequence	3	7	13	21	31
the n^2 part					
what is left					

nth term of what is left

nth term

You do

Find the nth term of 5, 14, 27, 44, 65.



$\square \div 2 = \square \quad \square n^2$

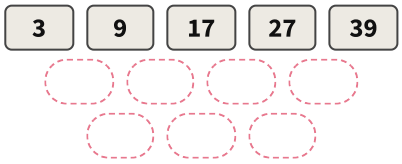
sequence	5	14	27	44	65
the n^2 part					
what is left					

nth term of what is left

nth term

You do

Find the nth term of 3, 9, 17, 27, 39.



$\square \div 2 = \square \quad \square n^2$

sequence	3	9	17	27	39
the n^2 part					
what is left					

nth term of what is left

nth term