

Name: _____ Grade 4/Year 5 _____ Date: 11/11/2021

Topic: Unit 3 - Numbers and sequences

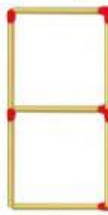
Q1) Complete these sentences.

[2]

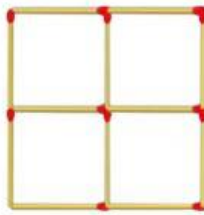
a) A number with more than two factors is called a _____ number.

b) A number with only two factors is called a _____ number.

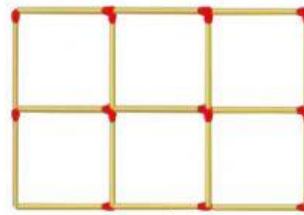
Q2) Here are some patterns made from matchsticks.



7



12



17

a) Complete the following table and calculate the numbers of matchsticks in the fourth pattern.

[1]

Pattern number	1	2	3	4
Number of matchsticks	7	12	17	

b) What is the term-to-term rule?

[1]

c) How many matchsticks are in the 10th pattern?

[2]

Q3) Find the value of:

[2]

a) $6^2 =$ _____

b) tenth square number = _____

Q4) Given the first term and the term -to- term rule, write down the first four terms for the following sequence.

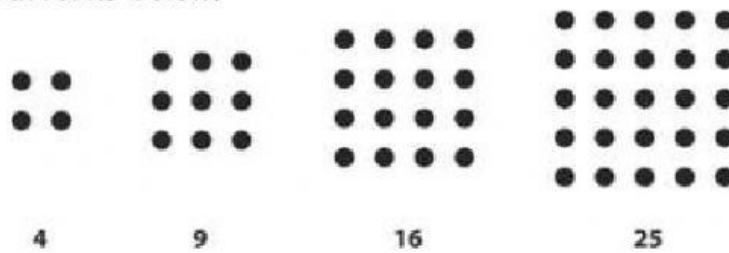
[2]

First term: 8, term to term rule: add 3

8, _____, _____, _____, _____.

Q5) Look at these patterns below.

[2]

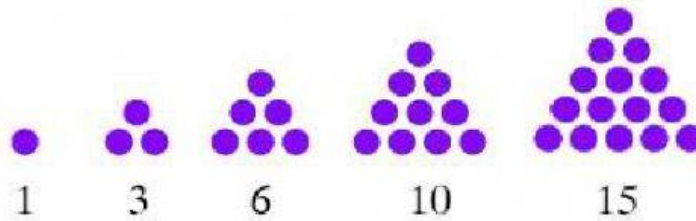


Write the next two terms in the sequence.

4, 9, 16, 25, _____, _____.

Q6) Look at these patterns below.

[2]



Write the next two terms in the sequence.

1, 3, 6, 10, 15, _____, _____.

Q7) Choose the prime numbers.

[1]

2, 12, 8, 7, 10, 3, 5

The end