

Name: \_\_\_\_\_ Grade 4/Year 5 \_\_\_\_\_ Date: 11/11/2021

Topic: Unit 3 – Numbers and sequences

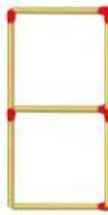
Q1) Complete these sentences.

[ 2 ]

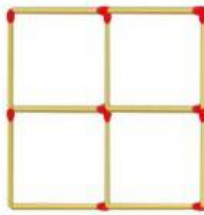
a) A number with more than two factors is called a \_\_\_\_\_ number.

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

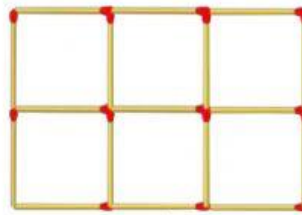
Q2) Here are some patterns made from matchsticks.



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 10<sup>th</sup> 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.

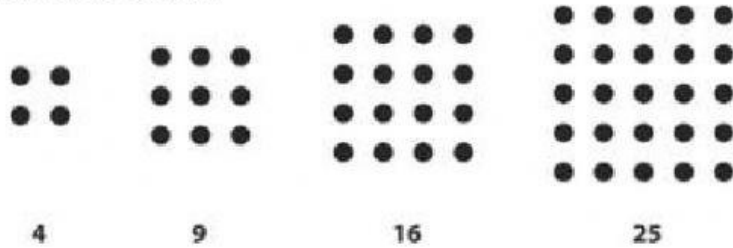
[ 2 ]

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

8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_.

Q5) Look at these patterns below.

[ 2 ]

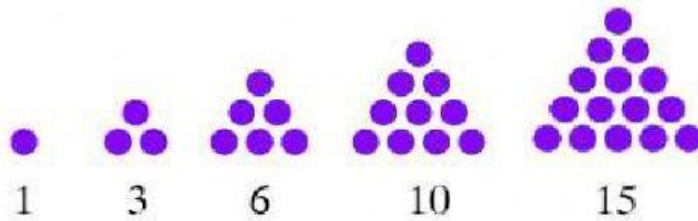


Write the next two terms in the sequence.

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

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*The end*