



EBHS KIKHANZA HOMESCHOOLING BOGOR

## “More Knowledgeable, Creative, and Independent”

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Name : \_\_\_\_\_ Grade : \_\_\_\_\_

Subject : \_\_\_\_\_ Teacher : \_\_\_\_\_

**Mid-Term EXAM – Odd SEMESTER  
MATHS  
ACADEMIC YEAR 2024/2025  
September, 2024**

I. Circle the correct answer!

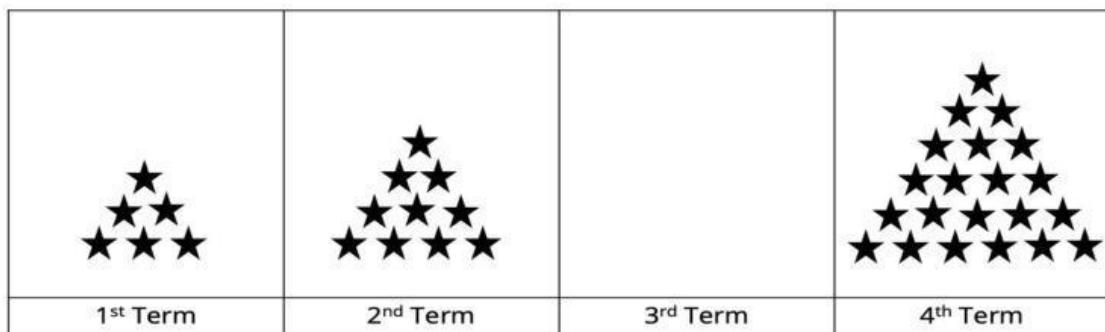
## II. Tick the true statements!

11. Tick (✓) the statements that are true.

A prime number is always an odd number.	<input type="checkbox"/>
6, 9 and 10 are composite numbers.	<input type="checkbox"/>
301 371 in words is three hundred and one thousand, three seventy-one.	<input type="checkbox"/>
Triangular numbers always form a linear sequence.	<input type="checkbox"/>
The 98 <sup>th</sup> term in the following sequence is even.  705, 700, 695, 690, 685, ...	<input type="checkbox"/>
The value of the digit 2 in 923 771 is 20 000.	<input type="checkbox"/>
The number 19 has only one factor.	<input type="checkbox"/>
210 012 > 210 102	<input type="checkbox"/>
1 is not a prime number.	<input type="checkbox"/>

**III. Follow the instructions below**

12. (a) Fran forms a sequence. In the space below, draw stars to complete the 3<sup>rd</sup> term.



(b) What is the term-to-term rule of the sequence in (a)?

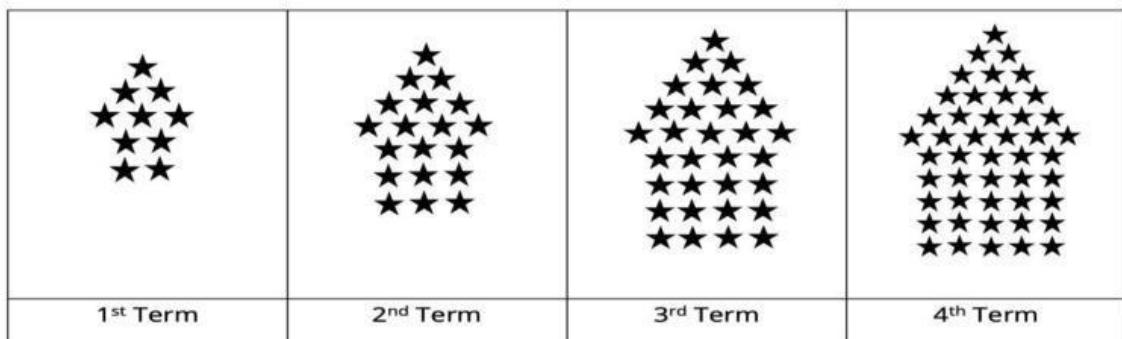
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(c) From the 1<sup>st</sup> to the 10<sup>th</sup> term, which term is a square number?

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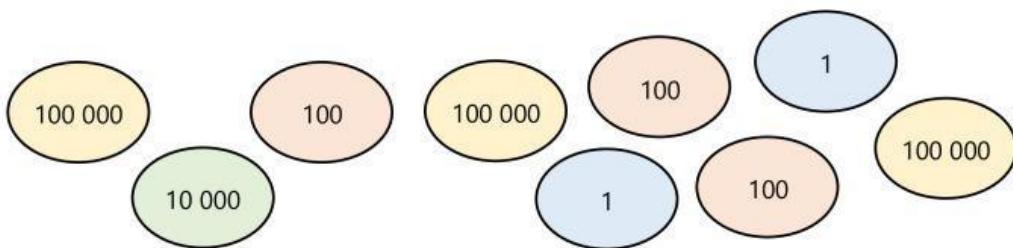
(d) Fran forms another sequence.



Complete the table below to describe the sequence.

Term	4	5	6	7	8
Number of stars					

13. Count the number discs to form the number.



Numeral: \_\_\_\_\_

Number word: \_\_\_\_\_

14. Compare and arrange the numbers in order.

618, 740 710, 120 832, 747 710, 120 833, 618 189

\_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_ > \_\_\_\_\_

15. Joseph forms the following sequence.

43, 51, 59, 67, 75, ...

(a) What is the term-to-term rule of Joseph's sequence?

\_\_\_\_\_

\_\_\_\_\_

(b) Find the 6<sup>th</sup>, 7<sup>th</sup> and 45<sup>th</sup> terms of the sequence. Show your working.

6<sup>th</sup> term: \_\_\_\_\_

7<sup>th</sup> term: \_\_\_\_\_

45<sup>th</sup> term: \_\_\_\_\_

(c) Joseph writes another sequence.

-43, -35, -27, -19, ...

(i) Write down the next four terms of this sequence.

\_\_\_\_\_

(ii) How are the sequences in (a) and (c) similar?

\_\_\_\_\_

\_\_\_\_\_