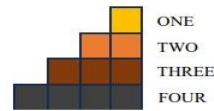


Read and solve the following questions carefully!

Mpu Tantular

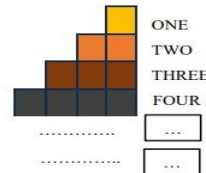
Mpu Tantular is a museum located in Buduran district, Sidoarjo, East Java. The museum was founded by Godfried von Faber in 1933 and inaugurated on July 25, 1937. The museum holds many historical relics, so anyone can visit it. At the gate of Mpu Tantular, a high fence is designed to look like a staircase and is of different sizes, as seen in the picture.



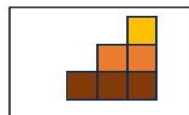
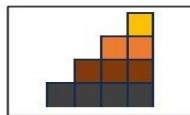
ONE
TWO
THREE
FOUR

The image above illustrates the fence; from the top, the first row has one square. The 2nd row consists of 3 squares, and the 3rd row consists of 6 squares. Based on this information, answer the following questions!

- a. Draw an illustration of the fence on the side up to the 5th and 6th row downward (continue the drawing that has been made previously made).



- b. Calculate and complete the picture below!



- c. Determine the number of squares in rows 2 through 7 based on figure (A)! Then, determine how many squares are needed for row 7.

Rows-	Many Squares
2 nd
3 rd
4 th
5 th
6 th
7 th

- d. Find the number of squares in rows 1 to 7 using the pattern in the following table!

Rows-	Calculations	Many Squares
1 st	1	1
2 nd	1+2
3 rd	6
4 th
5 th
6 th	21
7 th

- e. Find the right number according to the given number pattern!

1	6	13	15
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