

# VIDYA BHAWAN BALIKA VIDYA PITH

शक्तिउत्थानआश्रमलखीसरायबिहार

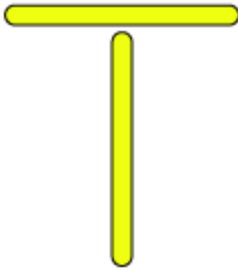
Class-06

Sub-.Maths

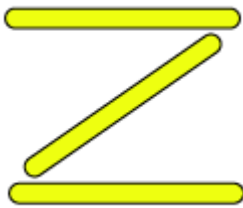
Date 22.06..2021

1. Find the rule which gives the number of matchsticks required to make the following matchsticks patterns. Use a variable to write the rule.

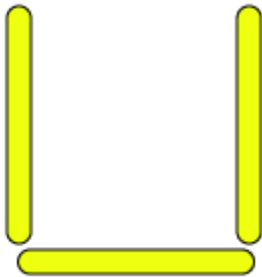
(a) A pattern of letter T as



(b) A pattern of letter Z as



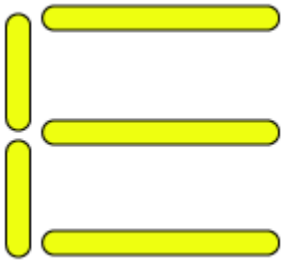
(c) A pattern of letter U as



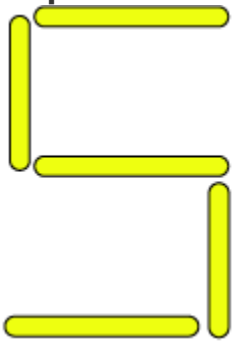
(d) A pattern of letter V as



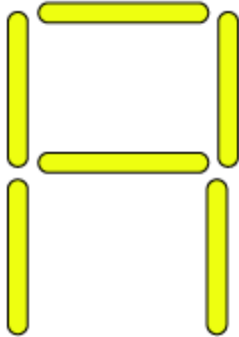
(e) A pattern of letter E as



(f) A pattern of letter S as



(g) A pattern of letter A as



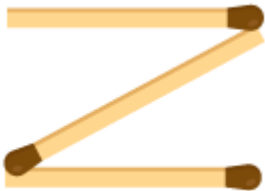
Solutions:

(a)



From the figure we observe that two matchsticks are required to make a letter T. Hence, the pattern is  $2n$

(b)



From the figure we observe that three matchsticks are required to make a letter Z. Hence, the pattern is  $3n$

(c)



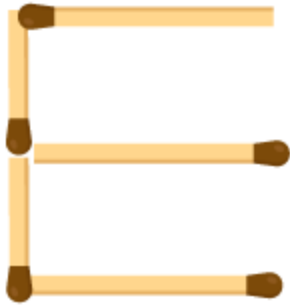
From the figure we observe that three matchsticks are required to make a letter U. Hence, the pattern is  $3n$

(d)



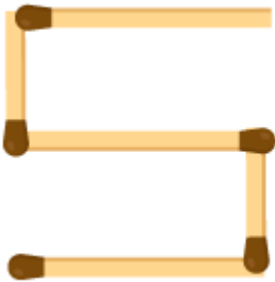
From the figure we observe that two matchsticks are required to make a letter V. Hence, the pattern is  $2n$

(e)



From the figure we observe that 5 matchsticks are required to make a letter E.  
Hence, the pattern is  $5n$

(f)



From the figure we observe that 5 matchsticks are required to make a letter S.  
Hence, the pattern is  $5n$

(g)



From the figure we observe that 6 matchsticks are required to make a letter A.  
Hence, the pattern is  $6n$