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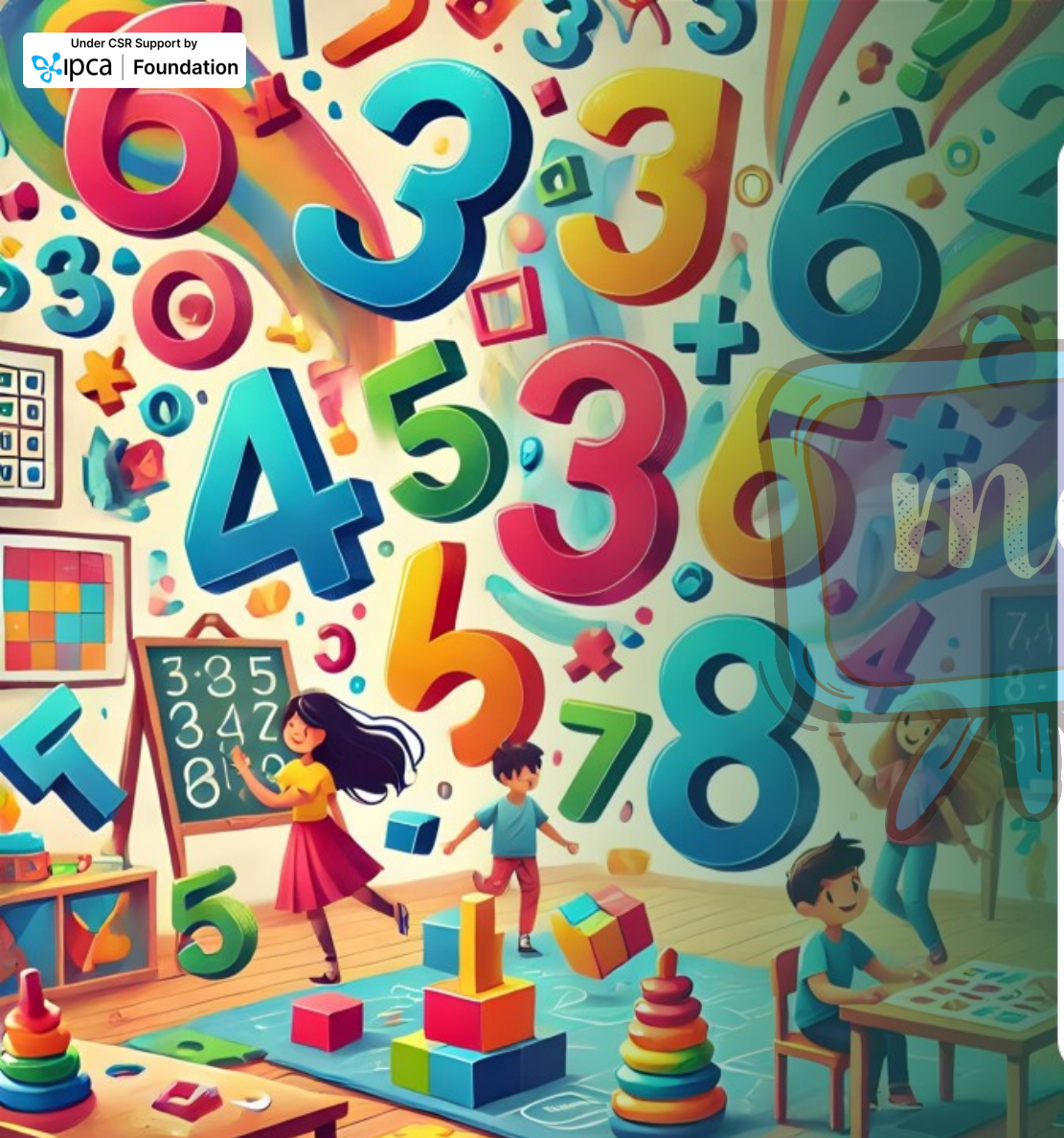

CLASS – 6

MATHEMATICS

Chapter – 3

Number Play

Part – 11

Playing with Number Pattern

Lavish Aggarwal

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OVERVIEW

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1. Numbers
2. Supercell
3. Pattern of Numbers on Number Line
4. Playing with Digit
5. Palindromic Pattern
6. Magic Number of Kaprekar
7. Mental Math
8. Playing with Number Pattern

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PLAYING WITH NUMBER PATTERNS



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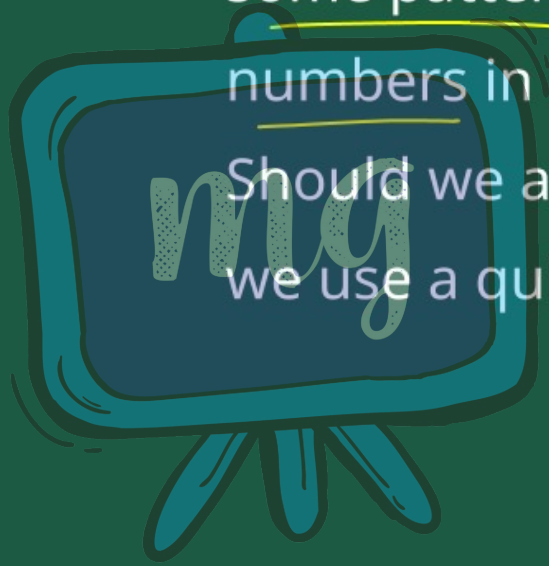
Here are some numbers arranged in some patterns. Find out the sum of the numbers in each of the below figures. Should we add them one by one or can we use a quicker way?



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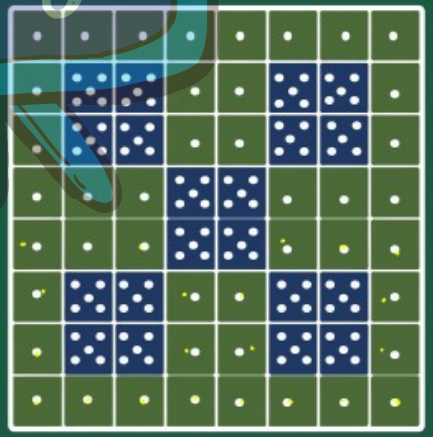
(a)



(b)



1 = 1 X 44 = 44

5 = 5 X 20 = 100

144

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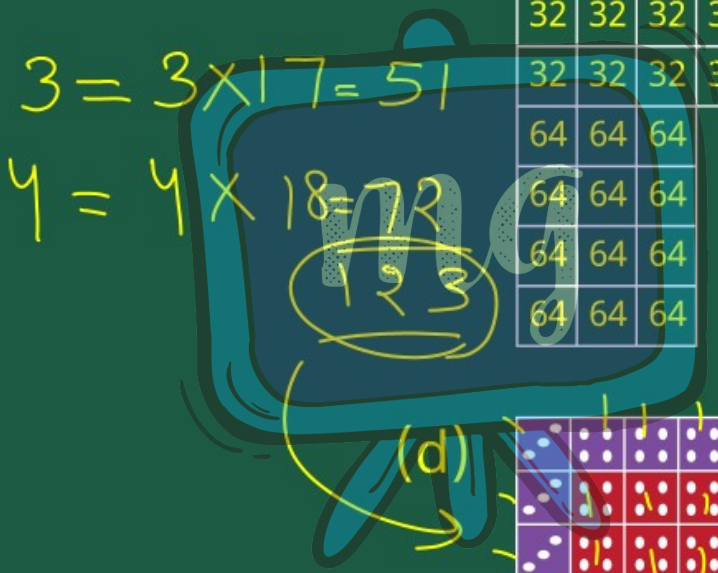
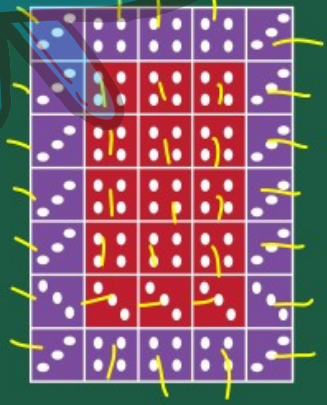
(c)

32	32	32	32	32	32	32	32
32	32	32	32	32	32	32	32
32	32	32	32	32	32	32	32
32	32	32	32	32	32	32	32
64	64	64					64
64	64	64					64
64	64	64					64
64	64	64					64



(d)



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(e)

125 = 125 × 18 = 2250

250 = 250 × 8 = 2000

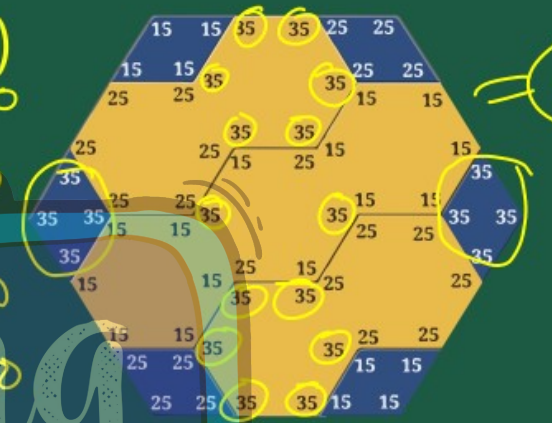
500 = 500 × 4 = 2000

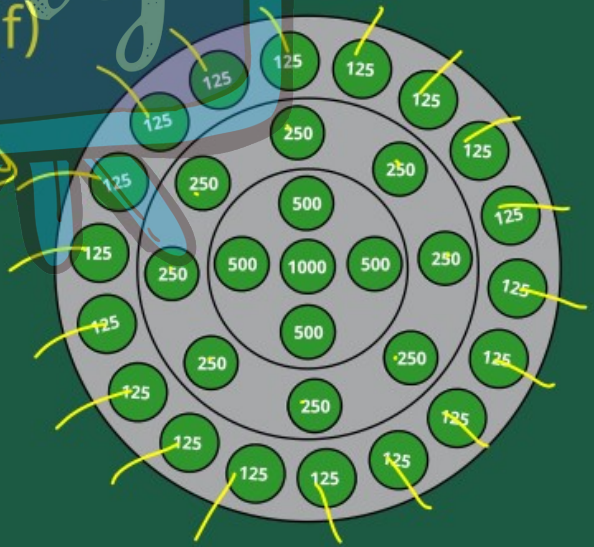
1000 = 1000 × 1 = 1000

7250

(f)

1650





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LEARNING OUTCOME

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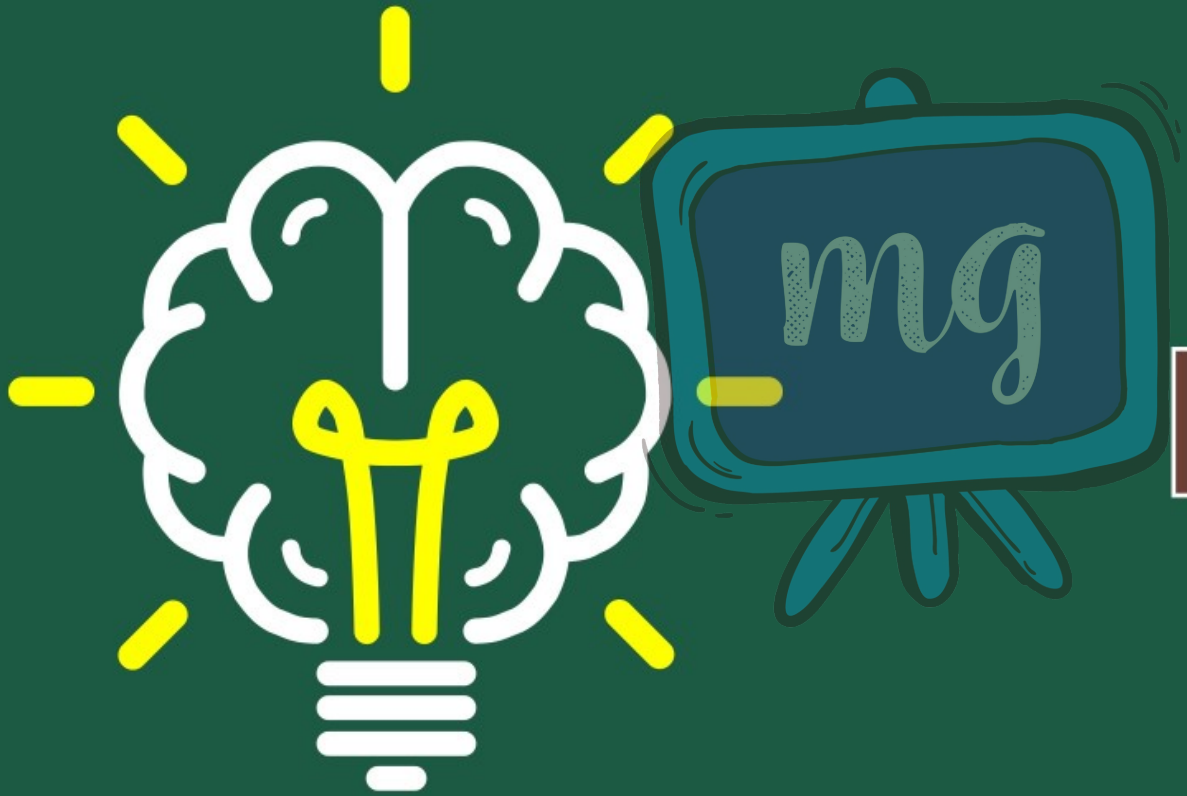

Playing with Number Patterns

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ASSESSMENT

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1 Find the sum of given number pattern?

40	70	35
70	40	70
35	70	40

35 = 35 x 3

40 = 40 x 3

70 = 70 x 4

280

190

170

470

470 is the sum