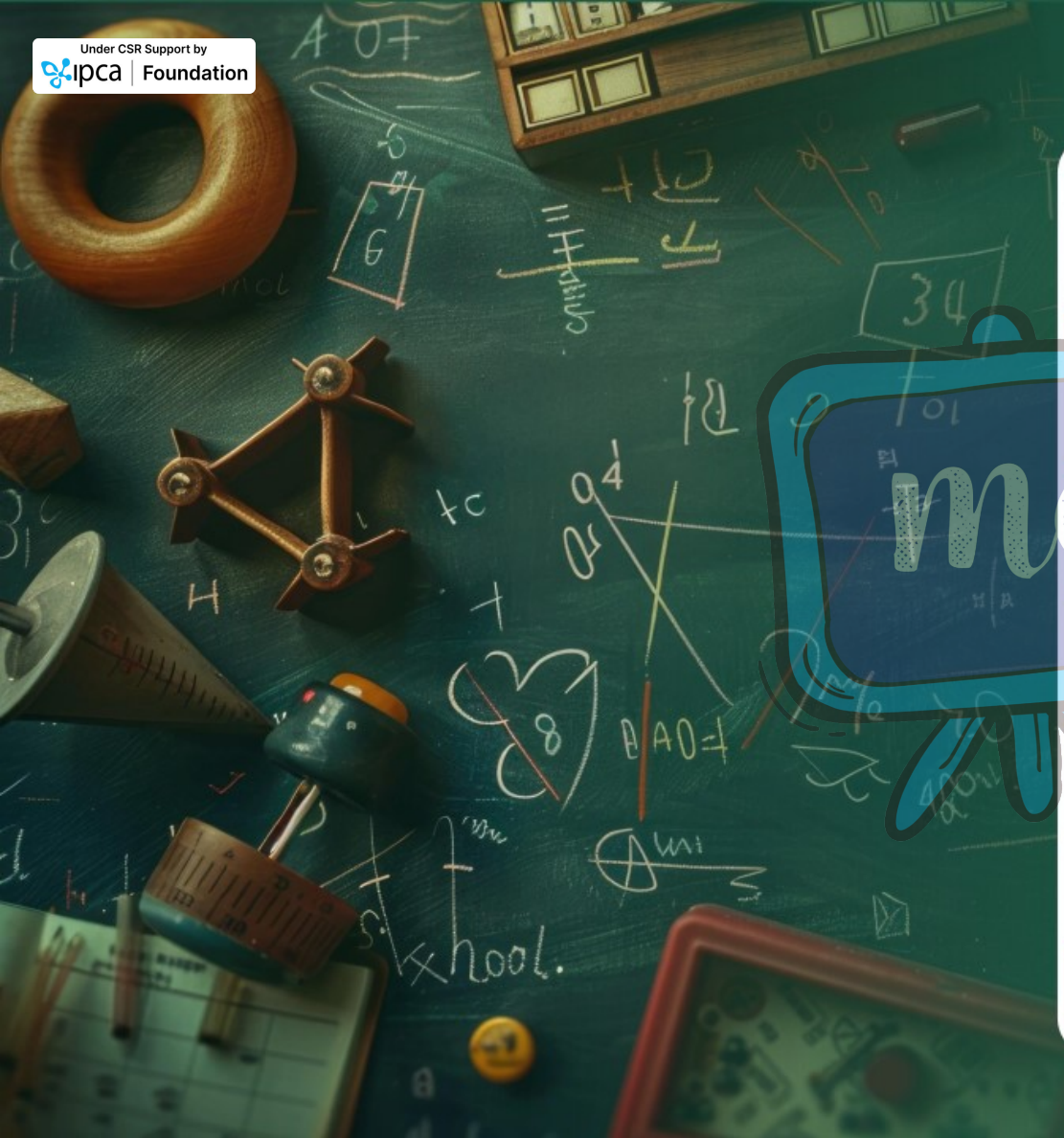
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CLASS – 6

MATHEMATICS

Chapter – 1

Patterns in Mathematics

Part – 1

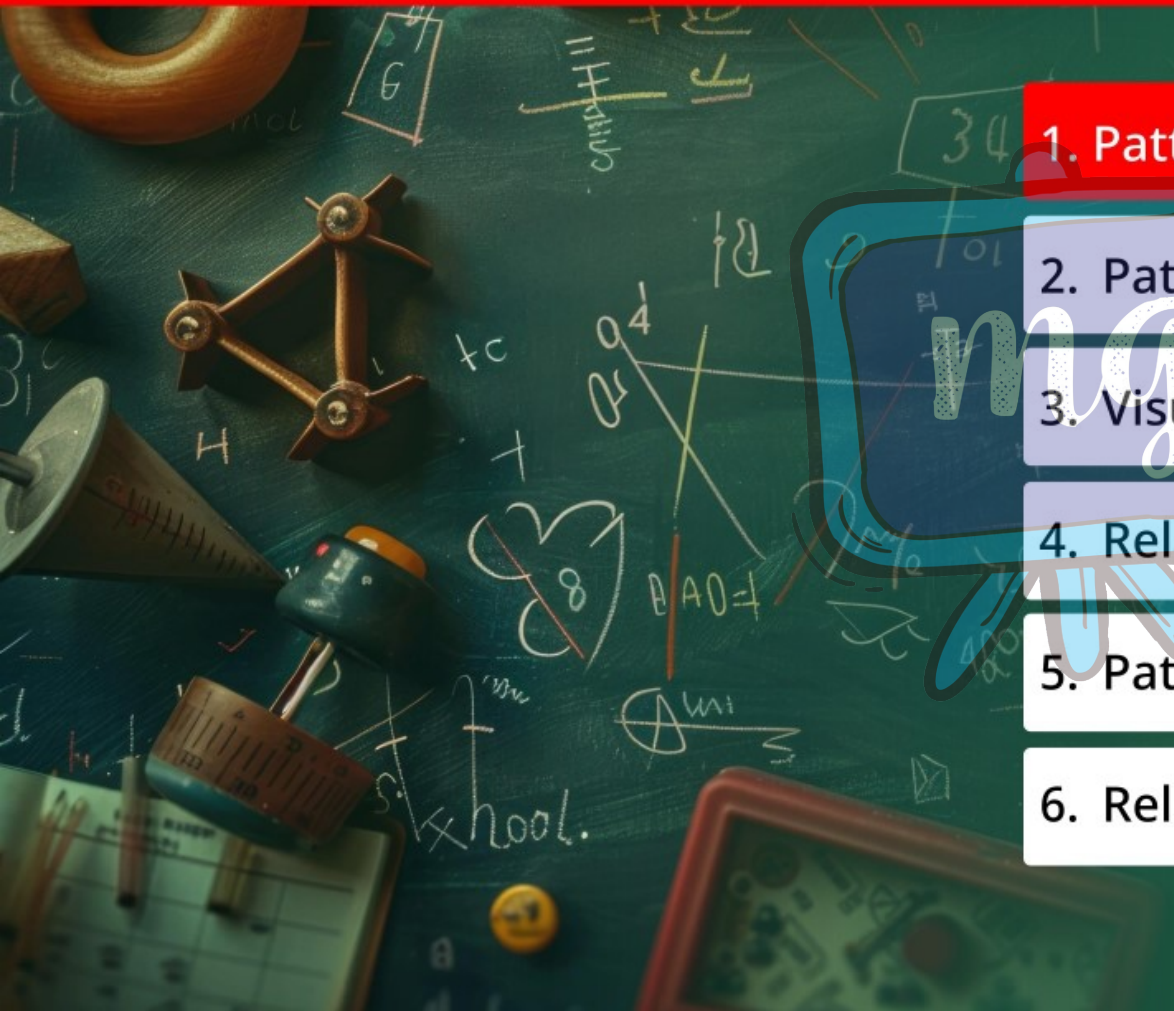
Pattern in Nature

Lavish Aggarwal

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OVERVIEW

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1. Pattern in Nature
2. Pattern in Numbers
3. Visualising Number Sequences
4. Relations among Number Sequences
5. Patterns in Shapes
6. Relation to Number Sequences

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WHAT IS MATHEMATICS?

- Mathematics is the science that deals with the logic of shape, quantity, patterns & arrangement.
- Mathematics is, in large part, the search for patterns.



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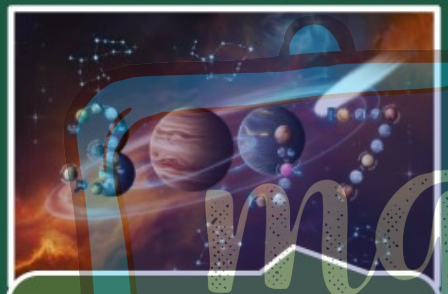
- Patterns occur in everything –
  - Shopping
  - Cooking
  - Throwing a ball
  - Playing games
  - Weather patterns
  - Technology



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Understanding of patterns in Our Nature



Motion of Stars and Planets



Send rockets to mars



In Genomes

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Figure it Out

1. Can you think of other examples where mathematics helps us in our everyday lives?



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2. How has mathematics helped propel humanity forward?



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- Scientific experiments
- Building bridges, houses or other complex structures;



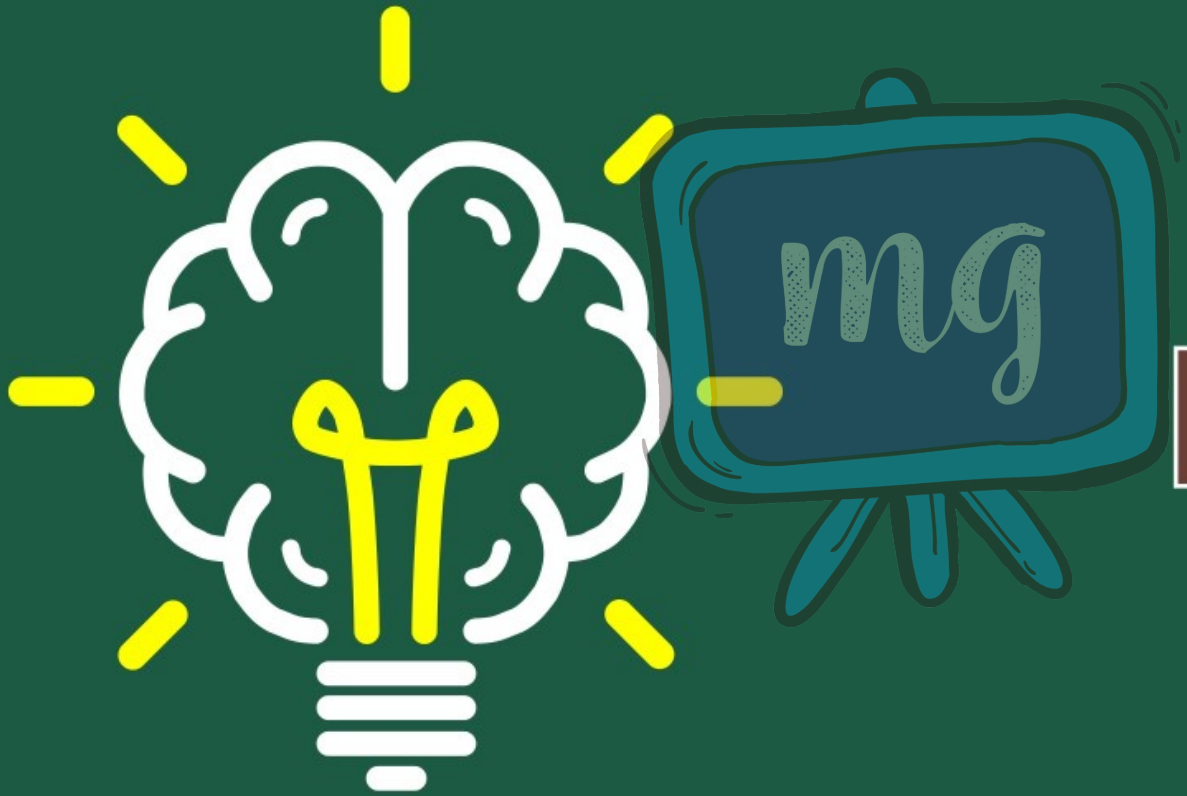
- Making TVs, mobile phones, computers, bicycles, trains, cars, planes, calendars, clocks, etc.



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LEARNING OUTCOMES

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Pattern in Nature

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ASSESSMENT

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1 Example of Pattern –

A Motion of Stars & Planet

B Throwing a Ball

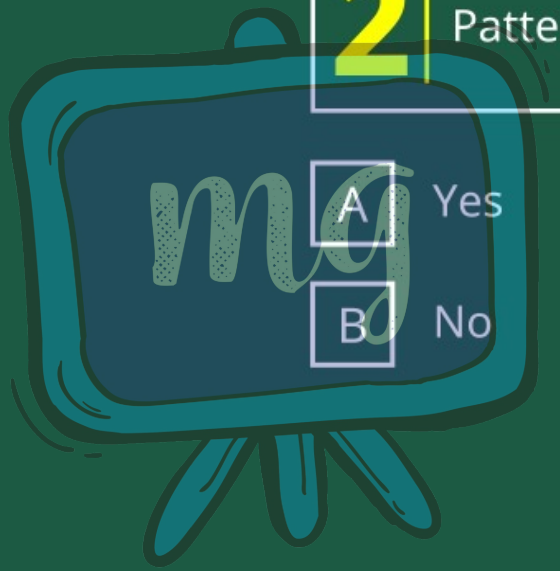
C Sending Rocket

D All of the above

ASSESSMENT



2 Patterns are useful in our daily lives –



A Yes

B No