

TENDER HEART HIGH SCHOOL, SEC- 33 B, CHD

DATE: / / 202

CLASS: III

TOPIC: Patterns

SUBJECT: Mathematics

DATE: 15.07.24

Good Morning students

This lesson is for class III,
Topic - Patterns from your book
Be A Maths star and is being
submitted to you on 15.07.2024.

Ch- 9 Patterns

- One or more shapes can be repeated to form a pattern.
- Number patterns

1. $2 \xrightarrow{+2} 4 \xrightarrow{+2} 6 \xrightarrow{+2} 8 \xrightarrow{+2} 10$ 12 14

Add 2 to get the next number in this pattern.

2. $30 \xrightarrow{-5} 25 \xrightarrow{-5} 20 \xrightarrow{-5} 15 \xrightarrow{-5} 10$ 5 0

Subtract 5 to get the next number in this pattern.

Ex 9.1

- B. Write the next two numbers in these number patterns.

1. $3 \xrightarrow{+2} 5 \xrightarrow{+2} 7 \xrightarrow{+2} 9 \xrightarrow{+2} 11 \xrightarrow{+2} 13 \xrightarrow{+2} 15 \xrightarrow{+2} 17 \xrightarrow{+2} 19$

2. $10 \xrightarrow{+5} 15 \xrightarrow{+5} 20 \xrightarrow{+5} 25 \xrightarrow{+5} 30 \xrightarrow{+5} 35 \xrightarrow{+5} 40$

3. $27 \xrightarrow{-3} 24 \xrightarrow{-3} 21 \xrightarrow{-3} 18 \xrightarrow{-3} 15 \xrightarrow{-3} 12 \xrightarrow{-3} 9$

4. $10 \xrightarrow{+10} 20 \xrightarrow{+10} 30 \xrightarrow{+10} 40 \xrightarrow{+10} 50 \xrightarrow{+10} 60 \xrightarrow{+10} 70$

5. $1 \xrightarrow{+1} 2 \xrightarrow{+2} 4 \xrightarrow{+4} 8 \xrightarrow{+8} 16 \xrightarrow{+16} 32 \xrightarrow{+32} 64 \xrightarrow{+64} 128$

Mental Maths

B. Continue each number pattern.

1. $1 \xrightarrow{+2} 3 \xrightarrow{+2} 5 \xrightarrow{+2} 7 \xrightarrow{+2} 9 \xrightarrow{+2} 11 \xrightarrow{+2} 13$

2. $1 \xrightarrow{+5} 6 \xrightarrow{+5} 11 \xrightarrow{+5} 16 \xrightarrow{+5} 21 \xrightarrow{+5} 26 \xrightarrow{+5} 31$

3. $100 \xrightarrow{+50} 150 \xrightarrow{+50} 200 \xrightarrow{+50} 250 \xrightarrow{+50} 300 \xrightarrow{+50} 350 \xrightarrow{+50} 400 \xrightarrow{+50} 450$

4. $96 \xrightarrow{-10} 86 \xrightarrow{-10} 76 \xrightarrow{-10} 66 \xrightarrow{-10} 56 \xrightarrow{-10} 46 \xrightarrow{-10} 36$

5. $100 \xrightarrow{-11} 89 \xrightarrow{-11} 78 \xrightarrow{-11} 67 \xrightarrow{-11} 56 \xrightarrow{-11} 45 \xrightarrow{-11} 34$

6. $70 \xrightarrow{-7} 63 \xrightarrow{-7} 56 \xrightarrow{-7} 49 \xrightarrow{-7} 42 \xrightarrow{-7} 35 \xrightarrow{-7} 28$

C. Find the rule of each number pattern.

1. $2 \xrightarrow{+2} 4 \xrightarrow{+2} 6 \xrightarrow{+2} 8 \xrightarrow{+2} 10 \xrightarrow{+2} 12 \xrightarrow{+2} 14$

2. $1000 \xrightarrow{-100} 900 \xrightarrow{-100} 800 \xrightarrow{-100} 700 \xrightarrow{-100} 600 \xrightarrow{-100} 500 \xrightarrow{-100} 400$

3. $1 \xrightarrow{+3} 4 \xrightarrow{+5} 9 \xrightarrow{+7} 16 \xrightarrow{+9} 25 \xrightarrow{+11} 36 \xrightarrow{+13} 49 \xrightarrow{+15} 64$

Tessellation

Shapes can fit together to make patterns. Tiling or tessellation is a type of pattern. In tessellation shapes fit nearly into one another without leaving gaps.

Home assignment

Do the above work in the n. book.