

2034 NANUKU SANGAM SCHOOL
LESSON NOTES
WORKSHEET 5 -2021

Subject: Mathematics
 Week : 5

Year/Level: 3

Name: _____

Strand	Algebra
Sub-Strand	Patterns
Content Learning Outcome (CLO)	Create, identify and describe simple number patterns and make predictions using these patterns.


Number Patterns

- A list of numbers that follows a sequence or pattern.


sequences

Sequences may be ordered in many ways.


shape




shape and colour



colour and rotation



number and rotation



number by addition (arithmetic sequence)

+2 2, 4, 6, 8, 10, 12, 14, ...

number by multiplication (geometric sequence)

x2 2, 4, 8, 16, 32, 64, 128 ...

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arithmetic sequence

+3 1, 4, 7, 10, 13, 16, 19, 22, 25, 28, ...

-3 15, 12, 9, 6, 3, 0, -3, -6, -9, -12, -15 ...

+10 5, 15, 25, 35, 45, 55, 65, 75, 85, 95, 105 ...



-10 100, 90, 80, 70, 60, 50, 40, 30, 20, ...

multiples are an arithmetic sequence

+2 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, ...

+5 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, ...







+10 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, ...

increasing  **decreasing** 

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Activity: Complete the pattern below.

- 2, 4, 6, _____, _____, _____, _____
- 3, 6, 9, 12, _____, _____, _____
- 5, 7, 9, 11, _____, _____, _____

-  ,  ,  , _____, _____, _____
-  ,  ,  , _____, _____, _____
- 20, 30, 40, 50, _____, _____, _____