

SESSION : 1
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 11
CHAPTER NAME : PATTERNS
SUBTOPIC : PATTERNS WITH A UNIT OF REPEAT

CHANGING YOUR TOMORROW

LEARNING OBJECTIVE :

Children will

- *Identify pattern and understand the rule behind its construction.**
- * Extend a pattern and also construct a new pattern using various objects.**

PATTERNS

PATTERNS WITH A UNIT OF REPEAT

Circle the picture that comes next in each repeating pattern.


1)								
2)								
3)								
4)								
5)								
6)								
7)								


PATTERNS


PATTERNS WITH A UNIT OF REPEAT


Repeating Shape Patterns


Identify the pattern and fill in the missing shapes.


a) 

b) 

c) 

d) 

e) 

f) 

PATTERNS

PATTERNS WITH A UNIT OF REPEAT

Points to remember:-

* Pattern is a design that repeats.

* Pattern - Something that follows a rule while repeating or changing.

* Patterns happen all the time. It's something that happens over and over again.

* Pattern Rule - A description of how a pattern starts and how it continues.

PATTERNS

PATTERNS WITH A UNIT OF REPEAT

Look at this arrangement of flowers:



Do you think it follows a certain order? 

Yes, it does! 

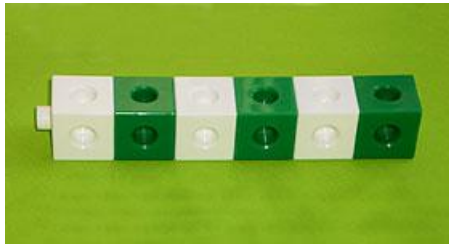
An arrangement that follows a certain order is called a pattern.

PATTERNS

PATTERNS WITH A UNIT OF REPEAT

The idea introduced using 'trains' of interlocking cubes arranged in a row.

This train can be made using the following units of repeat.



A train of six cubes.



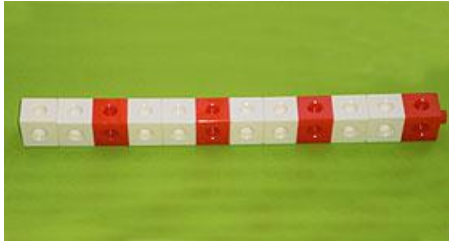
A unit of repeat for the first train.

Two adjoining cubes: one white, one green.

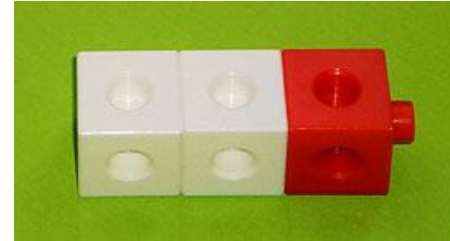
PATTERNS

PATTERNS WITH A UNIT OF REPEAT

This train can be made using the following units of repeat.



A train of twelve cubes.



A unit of repeat for the second train.

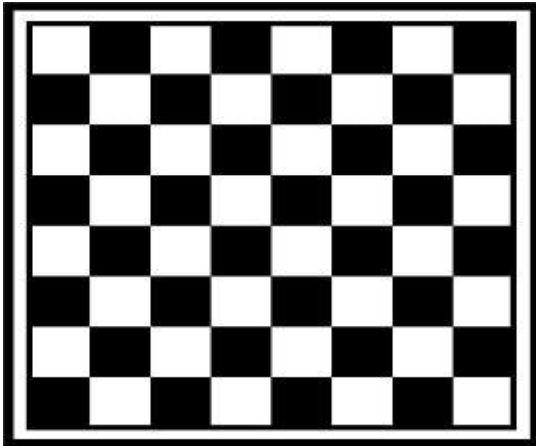
Three adjoining cubes: two white followed by one red.

PATTERNS

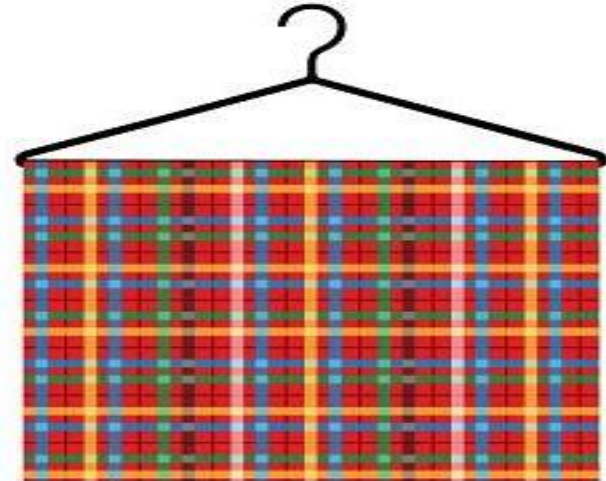
PATTERNS WITH A UNIT OF REPEAT

Patterns are all around us!

A chessboard follows a pattern of black-and-white boxes.



Many clothes have patterned designs printed on them.



PATTERNS

PATTERNS WITH A UNIT OF REPEAT

Extra questions
in the notebook



PATTERNS

PATTERNS WITH A UNIT OF REPEAT



Repeating patterns. Can you continue the patterns below?



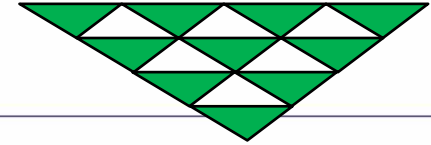
PATTERNS

PATTERNS WITH A UNIT OF REPEAT

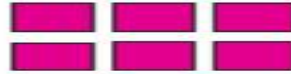
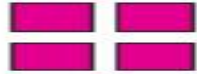
Growing Pattern

Draw the picture that comes next in each growing pattern.

1



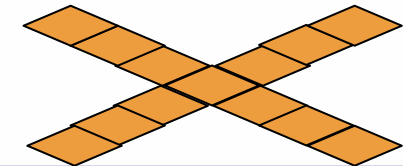
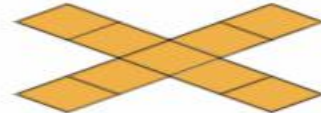
2



3



4



PATTERNS

PATTERNS WITH A UNIT OF REPEAT

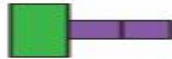
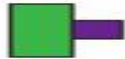
Growing & Repeating Pattern

Draw the picture that comes next in each pattern.

1



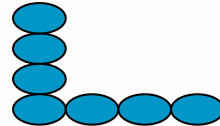
2



3



4

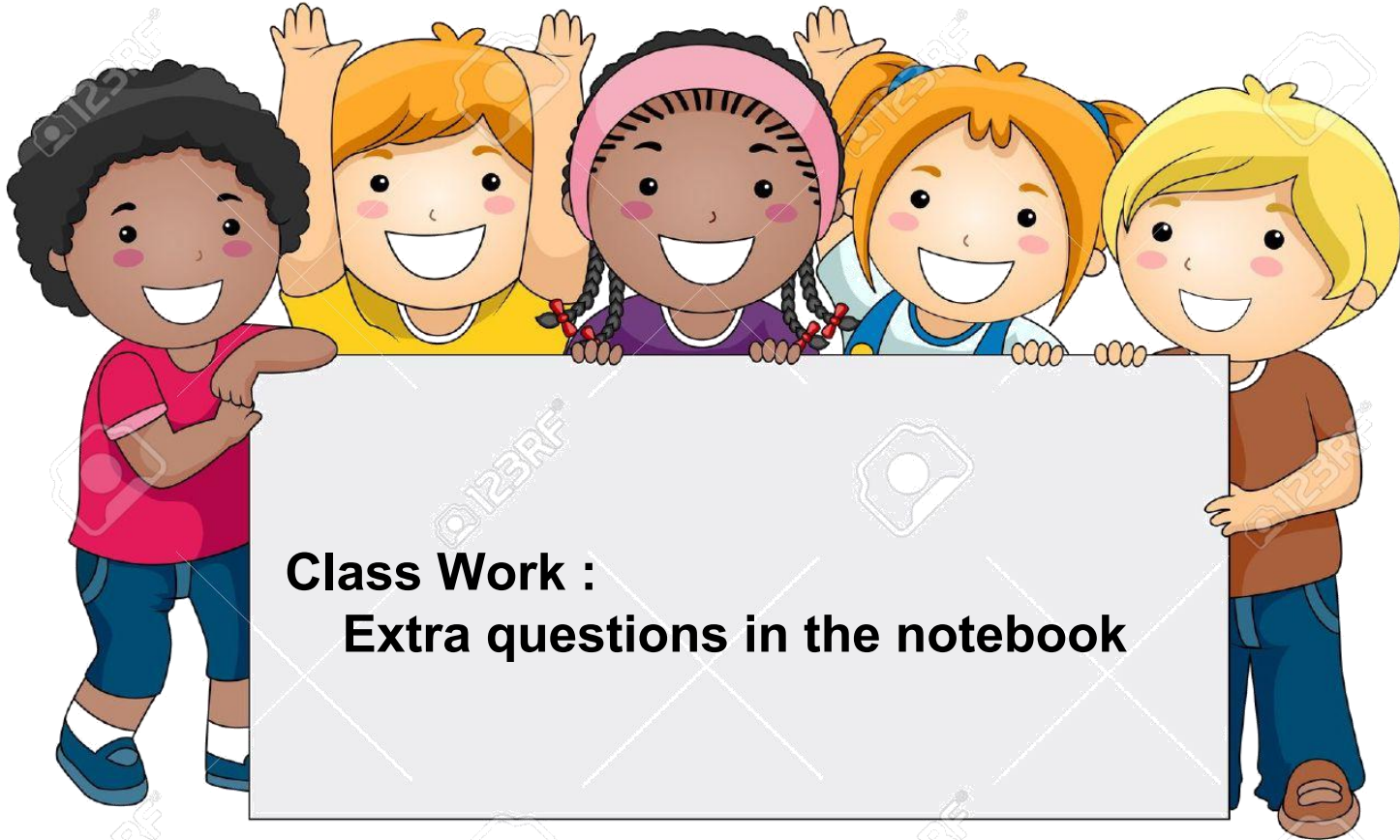


5



PATTERNS

PATTERNS WITH A UNIT OF REPEAT



LEARNING OUTCOME:

Children will be able to identify pattern and understand the rule behind its construction. Also extend a pattern and also construct a new pattern using various objects.

THANKING YOU
ODM EDUCATIONAL GROUP