

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

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**CHANGING YOUR TOMORROW**

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# 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! 😊

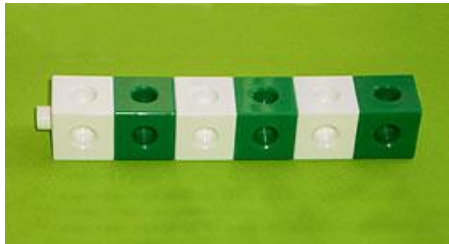
An arrangement that follows a certain order is called a pattern.

# 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.



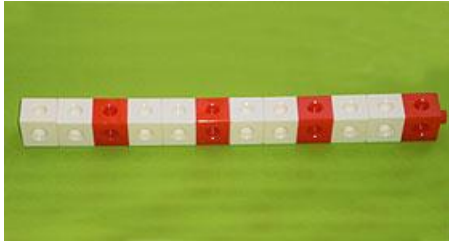
A unit of repeat for the first train.

Two adjoining cubes: one white, one green.

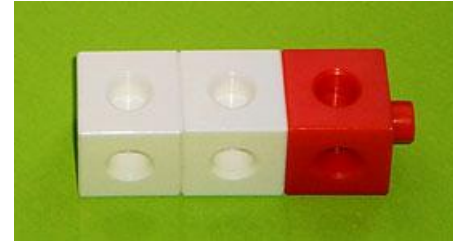
# PATTERNS

## 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.

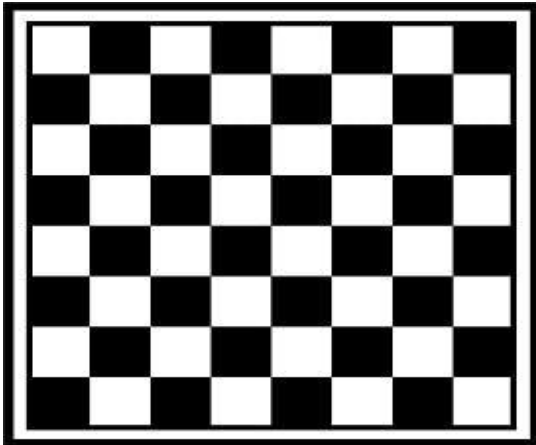
Three adjoining cubes: two white followed by one red.

# PATTERNS

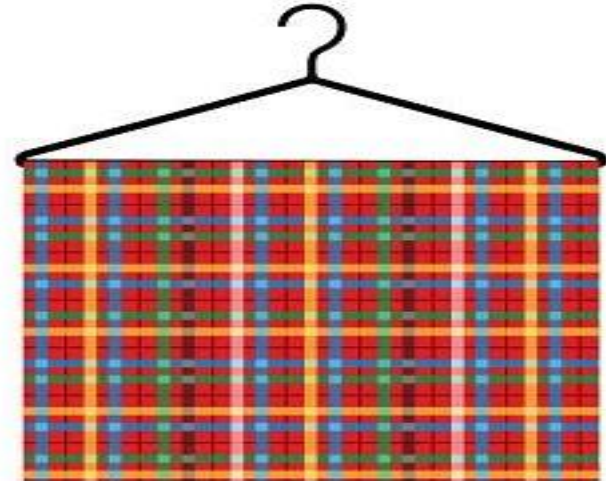
## PATTERNS WITH A UNIT OF REPEAT

**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

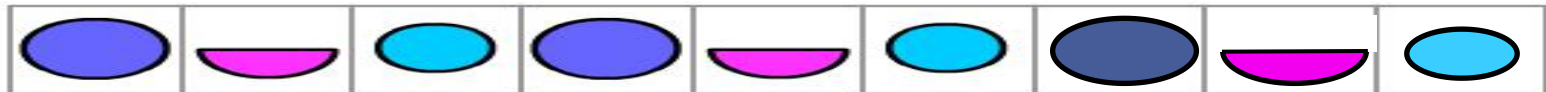


# PATTERNS

## PATTERNS WITH A UNIT OF REPEAT



Repeating patterns. Can you continue the patterns below?



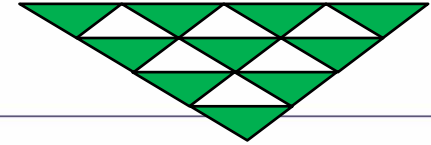
# PATTERNS

## PATTERNS WITH A UNIT OF REPEAT

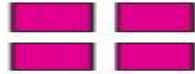
### Growing Pattern

Draw the picture that comes next in each growing pattern.

1



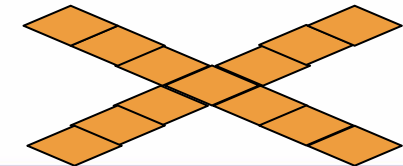
2



3



4



# PATTERNS

## PATTERNS WITH A UNIT OF REPEAT

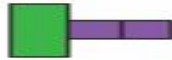
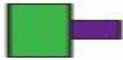
### Growing & Repeating Pattern

Draw the picture that comes next in each pattern.

1



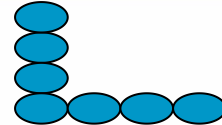
2



3



4

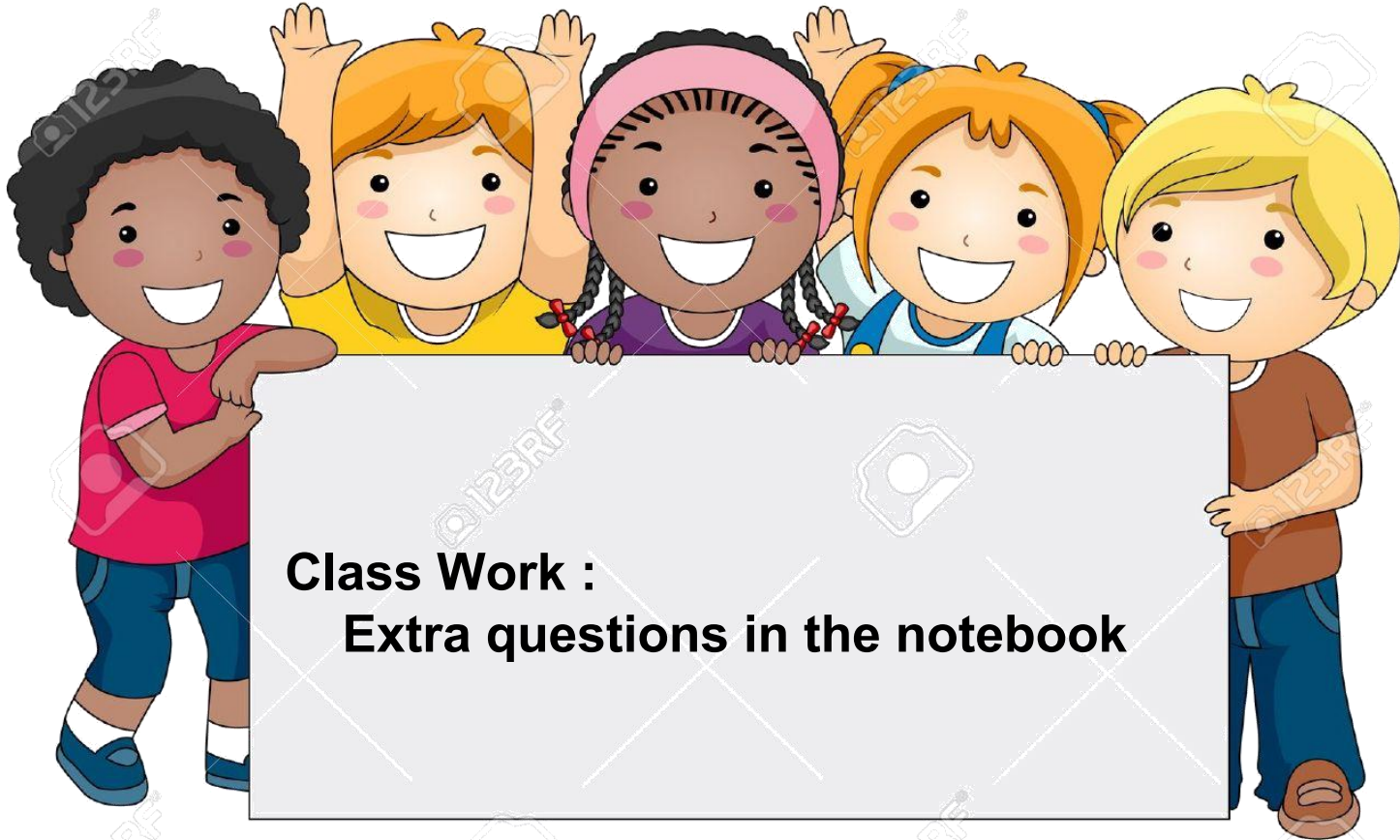


5



# 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**