



EDUKALA



 **dheerya**
foundation



MATH

**1st
Grade**



Scan to give
Feedback



PATTERNS

- A pattern is a sequence of shapes, colors, or numbers that repeat in a specific order. Patterns can be found everywhere in our daily lives, from the stripes on a zebra to the tiles on a floor.
- In Grade 1, students will learn to identify and extend patterns, and create their own patterns using different shapes, colors, and numbers.



PATTERNS

- They will also learn about different types of patterns, such as repeating patterns (ABABAB) and growing patterns (1, 2, 4, 8, 16...).
- To help students understand patterns, teachers can use a variety of tools such as manipulatives (e.g. blocks or counters), pattern cards, and worksheets. Students can also practice identifying patterns in their environment, such as noticing the different colors and shapes in a stained glass window or the arrangement of leaves on a tree.



OBJECTIVES



- Students develop their ability to recognize and create patterns
- Students will be able to see relationships between numbers, shapes, and colors, and begin to make predictions about what comes next in a sequence.



OBJECTIVES



- This will also help them develop their problem-solving skills and improve their ability to analyze and understand patterns in different contexts.
- Students will be able to identify and extend patterns, create their own patterns, and understand different types of patterns, such as repeating patterns and growing patterns























PRE-ASSESSMENT















Shapes Worksheet
Complete the pattern from the options given in box







1.      

2.      

3.      

4.      

5.      

6.      

MATHSDIARY.COM





PRE-ASSESSMENT



NUMBER PATTERN - GRADE 1

Complete the following number patterns

1.

8	9	10		12	13		15
---	---	----	--	----	----	--	----

2.

12	13		15	16		18	
----	----	--	----	----	--	----	--

3.

10		12	13		15	16	
----	--	----	----	--	----	----	--

4.

13	14	15		17	18		20
----	----	----	--	----	----	--	----

5.

	11	12		14	15		17
--	----	----	--	----	----	--	----

6.

9			12		
---	--	--	----	--	--

7.

	16				20
--	----	--	--	--	----

LIVEWORKSHEETS



PRE-REQUISITES

- Pattern cards: Teachers can create pattern cards with different shapes, colors, or numbers to help students recognize and create patterns.
- Beads, pebbles, chalk to create patterns.
- Worksheets



ACTIVITY 1:

- Creating patterns using pencils and erasers easily available in the class.
- Using the chalk to draw easy patterns on the board.
- Give the students a cut out of a few shapes and ask them to create a pattern using them.



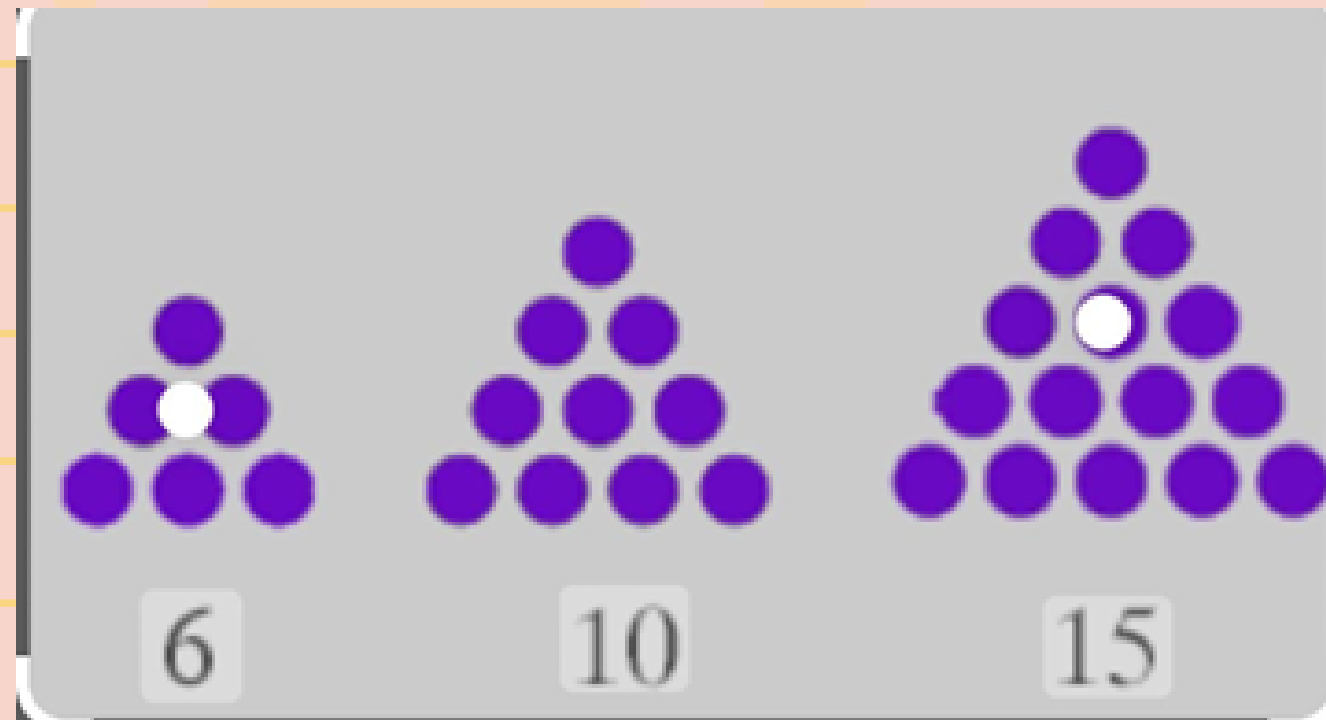
ACTIVITY 2: GROWING PATTERNS

- Show the students how to make a growing pattern by starting with one counter and adding more counters in a specific pattern. For example, you could start with one button, and then add two buttons, and then add three buttons, and so on.
- Once the students have completed the table, encourage them to create their own growing patterns using the counters.



LEVEL-1

- This activity helps students develop their understanding of growing patterns and how to identify and extend them. It also helps them practice their counting and addition skills. By creating their own growing patterns, students have the opportunity to be creative and apply their understanding in a new way.



ACTIVITY: MAKE YOUR RANGOLI

- The students can also be taught small Rangoli designs using patterns.



POST ASSESSMENT

Skip Counting

Count by 2's



Count by 5's

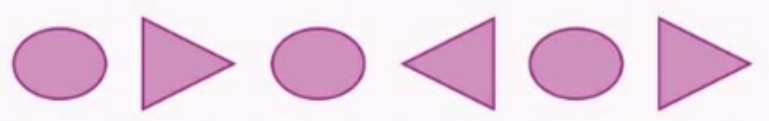
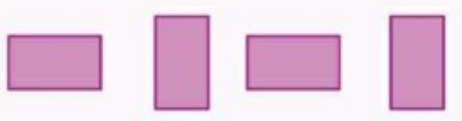
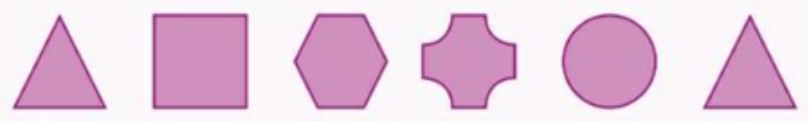
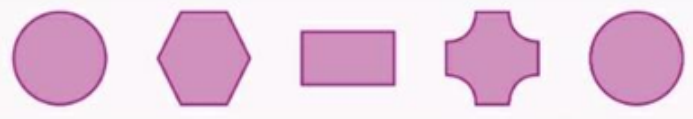
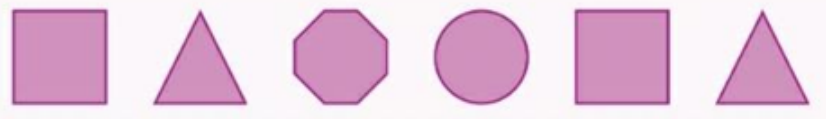


Count by 10's



Shapes and Pattern

Complete the pattern.



Check our website

for more:  www.dheerya.org

Help us improve

EDUKala

Share your experience



Scan to give
Feedback