

Grade 4 Mathematics - Chapter 10

Play with Patterns

Original CBSE/NCERT-aligned learning material for Paryan's Learning Hub

Learning goals

Learn and practise number patterns, shape patterns, repeating sequences, finding pattern rules.

1. Let's Learn

In this chapter, we explore number patterns, shape patterns, repeating sequences and finding pattern rules. Use the examples and activities to connect mathematics with everyday life.

Key Ideas

Topic	Remember
Number patterns	Look for examples around you and explain the idea in your own words.
Shape patterns	Look for examples around you and explain the idea in your own words.
Repeating sequences	Look for examples around you and explain the idea in your own words.
Finding pattern rules	Look for examples around you and explain the idea in your own words.

2. Guided Practice

1. Continue: 2, 4, 6, 8, _____.
2. Continue: 5, 10, 15, _____.
3. Continue: 100, 90, 80, _____.
4. What is the rule: 3, 6, 9, 12?
5. Continue: A, B, A, B, A, _____.

3. More Practice

1. Write one real-life example related to number patterns.
2. Explain shape patterns to a friend using your own example.
3. Make a small drawing or table showing repeating sequences.
4. Create one maths question about finding pattern rules and solve it.
5. Check your answer and explain how you know it is reasonable.

4. Activity Time

Complete this activity using objects or information from your home or classroom. Record what you observe, calculate where needed, and explain your result.

What I observed	My calculation / drawing	My answer
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

5. Challenge Corner

1. Make a harder question using the main idea of this chapter and solve it.
2. Find two different ways to explain one answer.
3. Where might you use this mathematics outside school?
4. Teach one idea from this chapter to a family member.

6. Quick Quiz

1. Continue: 2, 4, 6, 8, _____.
2. Continue: 5, 10, 15, _____.
3. Continue: 100, 90, 80, _____.
4. What is the rule: 3, 6, 9, 12?
5. Continue: A, B, A, B, A, _____.

Answer Key

1. 10
2. 20
3. 70
4. Add 3
5. B

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