



Mentor Guru

Class 1 Maths Magic

Chapter 10: Patterns Notes

Patterns

Do you like puzzles? Everyone likes puzzles. It is like solving mysteries and in this chapter, you will have fun with solving the puzzles. The earlier chapter already taught you how to find the missing number and how to find the missing shapes. Use the practices that you have learned about the shapes and find out what is the next? Sounds great, isn't it.

Study the Pattern and Fill in the Missing Numbers.

Question:

1, 3, 5, 7, __, __, 13

Answer:

9, 11

Question:

22, 21, 20, __, __, 17, 16

Answer:

19, 18

Question:

10, 20, 30, __, 50, __

Answer:

40, 60

It is also the foundational for advanced math. Patterns are fundamental to many advanced areas of mathematics. Algebra, for example, is largely about recognizing and manipulating patterns. Introducing patterns at an early age can set the foundation for these advanced topics.

It improves the logical thinking skills. Recognizing and predicting patterns involves a form of logical reasoning. When children engage with patterns, they are practicing their ability to think logically. Understanding patterns helps children predict what might come next based on a set order or sequence. This ability to generalize from known data is a critical thinking skill that's applicable in many areas beyond math.

Class 1 Maths chapter 10 pattern has connection to the real world. Patterns are everywhere – in nature, art, music, and everyday occurrences. By understanding patterns, children can better relate to and understand their surroundings.

Identifying pattern enhances memory skills. Repeated exposure to patterns can help improve memory. Children often remember sequences and patterns better than random assortments of information. When given a sequence, children often need to figure out what should come next or identify a missing piece. This involves problem-solving skills, which are enhanced through pattern exercises.

Question:

11, 22, 33, __, __, 66, __

Answer:

44, 55, 77

Question:

5, 10, __, 20, 25, __

Answer:

15, 30

Question:

2, 5, 8, 11, __, 17, __

Answer:

14, 20

Complete the Pattern:

Question:

2, 4, 6, 8, __, __, __

Answer:

10, 12, 14

Question:

27, 28, 29, _____, _____, _____

Answer:

30, 31, 32

Question:

25, 30, _____, 40, _____, _____, _____

Answer:

35, 45, 50, 55

After understanding basic patterns, children can also be encouraged to create their own, which can boost their creativity and help them think outside the box. Just like in mathematics, patterns are foundational in reading (e.g., rhyming, sentence structures) and music (e.g., rhythms, melodies). Understanding patterns in math can aid in understanding these other disciplines.

Question:

1, 4, 7, _____, _____, _____, _____

Answer:

10, 13, 16, 19

Question:

15, 13, 11, _____, _____, _____, _____

Answer:

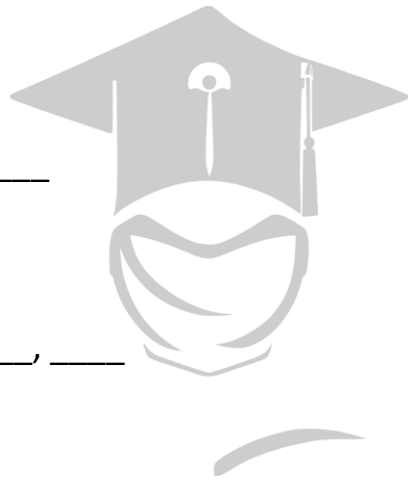
9, 7, 5, 3

Question:

10, _____, 30, _____, 50, _____

Answer:

20, 40, 60



Mentor Guru