

Month - September

Ln-5- Lucid Loops

Std - IV

Drawing Shapes and patterns with Loops

D-words.

1. Loop
2. Nested
3. Forever
4. Block
5. Repeat
6. Coding
7. Erase
8. Sprite
9. Position
10. Instructions.

F. Short answer questions.

1. Name the loop blocks in Scratch.

ans. The loop blocks in Scratch are,

* Repeat block

* Forever block

2. Why are loops important in programming?

ans. * The loops make instructions short and easy to understand.

* It eliminates repetition.

* It improves efficiency.

3 Define nested Loops.

ans. * Nested loops mean - a loop is used inside another loop.

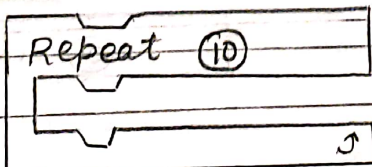
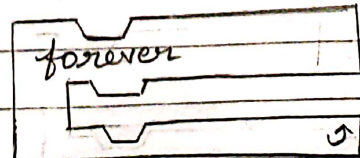
* Each time the outer loop runs once, and the inner loop runs many times.

4. Give two examples of nested loops in real life.

ans * In a clock, each time the hour hand completes one loop, the minute hand completes 12 loops.

* In a School, for 5 days, 9 periods are repeated each day.

5. What is the difference between Repeat and forever blocks?

ans.	Repeat block	Forever block
	* The repeat block runs a set of blocks for a given number of times.	* The forever block will run the set of blocks infinitely.
	* It stops after completing the given number of repetitions.	* It stops only when the stop button is clicked.
		

6. What is the use of the Pen up and Pen down blocks in Scratch?

ans * Pen down block makes the sprite draw a line as it moves.

* Pen Up block stops the sprite from drawing while moving.

* These blocks are used together to create drawings and shapes in Scratch.

Note- Refer textbook for the lesson book back exercises, very short answers / short answers and competency based questions.