



9-10 YEARS | WEEK 03

Technology-Algorithms And Robotics

1. Can you write it?

2. Drawing Robots Based on the Algorithm

3. Can you tell it?

4. Coding - Sequences

5. Coding - Basic terms

6. Coding - Algorithm

7. Computers - Hex codes

8. Computers - Binary code

9. Gadgets - Crack the binary code

10. Coding - Pixel art

11. Coding - Pixel art

12. Coding - Pixel art

13. Coding - Pixel art

14. Coding - Pixel art

15. Coding - Pixel art

16. Robotics - History

17. Robotics - How robots move?

18. Robotics - Workshop

19. Robotics - Activities of a robot

20. Robotics - Design your robot

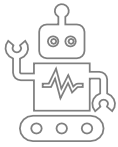


Can you write it



Write the commands to do the following tasks in LOGO.


1. Add number 4, 6, and 3 _____.
2. Multiply 5 with 9 _____.
3. Find the remainder of 6 divided by 3 _____.
4. For checking is 11 greater or 24 _____.
5. To remove the turtle from the screen _____.
6. To get the turtle back on the screen _____.
7. To move the turtle 75 steps ahead in the direction of its head _____.
8. To move the turtle 50 steps backwards _____.
9. To bring the turtle in the center of the monitor/screen _____.
10. To move the turtle without drawing any line _____.



Drawing Robots Based on the Algorithm

Let's use some imagination and creativity. Follow the given steps of the algorithm and design robots.

MY WEIRD ROBOTS

when RUN 

Draw the 2 robot heads

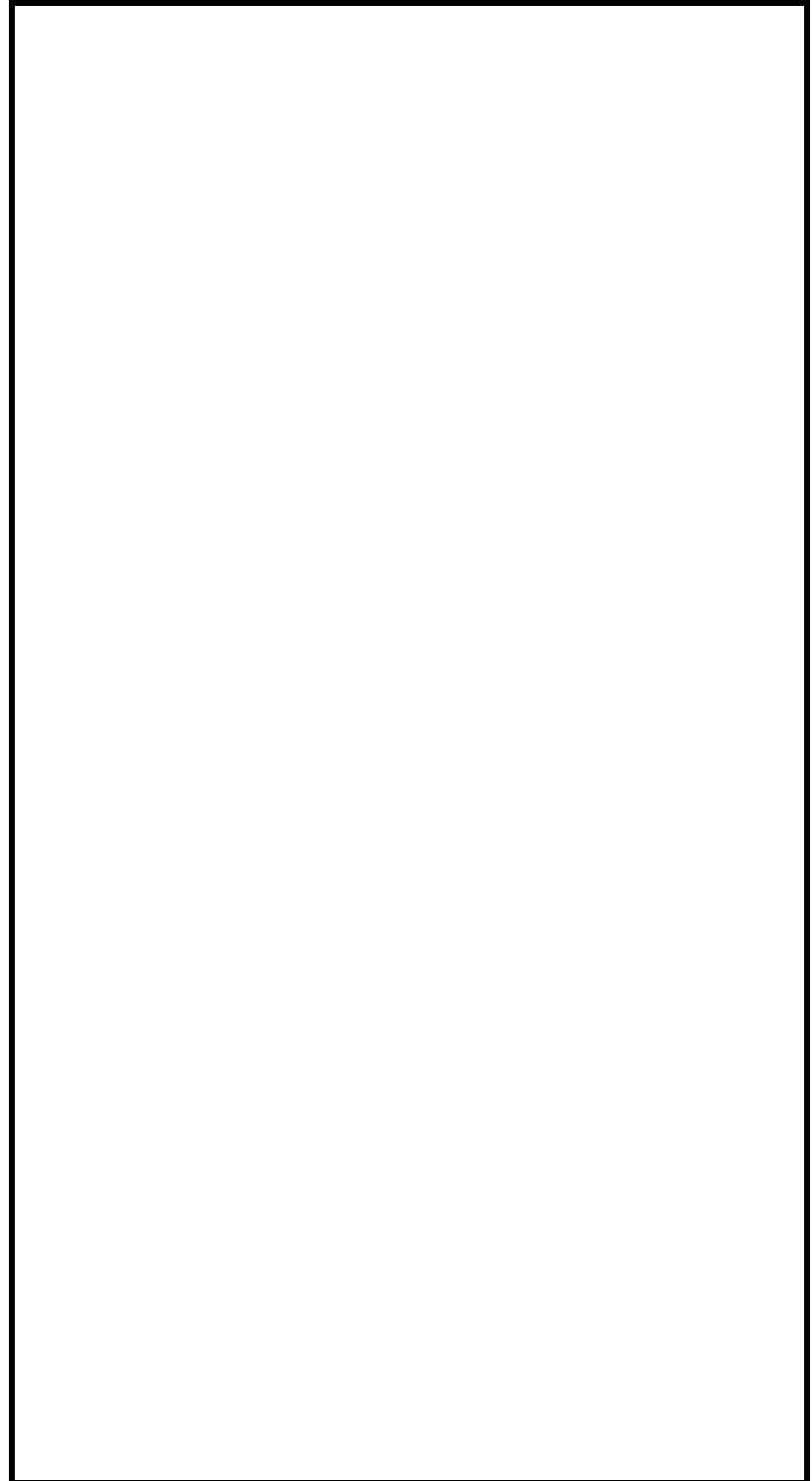
Draw the 2 robot necks

Draw the 2 robot bodies

Draw the 4 robot hands

Draw the 4 robot legs

Add details to the robots





Can you tell it



Where will the turtle land after following the below given commands? Keep an eye on the path, draw it with a pencil, then discuss with your friends if your shape and answer is correct. (1 unit = 1 cm)

a)

- Forward 5 units/cms
- Turn left
- Forward 4 units/cms



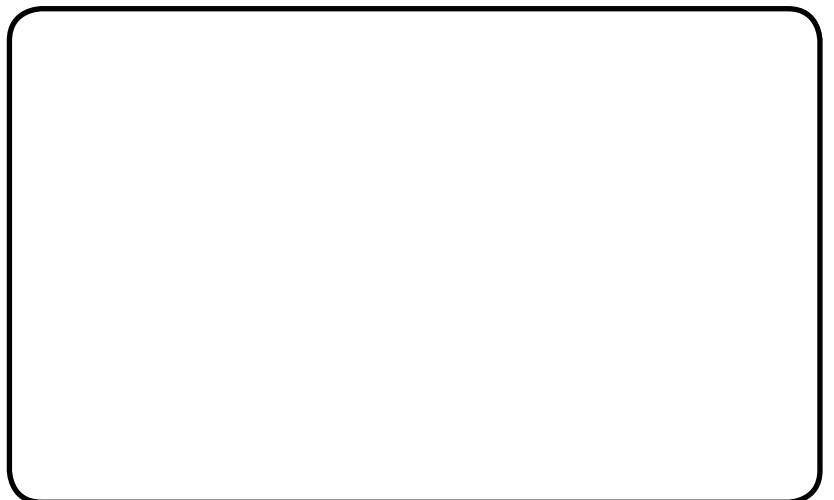
b)

- Backward 4 units/cms
- Turn right
- Forward 10 units/cms
- Backward 5 units/cms
- Turn right
- Forward 5 units/cms



c)

- Forward 7 units/cms
- Turn left
- Forward 5 units/cms
- Turn left
- Forward 7 units/cms
- Backward 6 units/cms



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