

Formal Assessment Term I

Pattern Recognition and Problem Solving

1. Look at the pattern. Draw the next three shapes in the pattern.



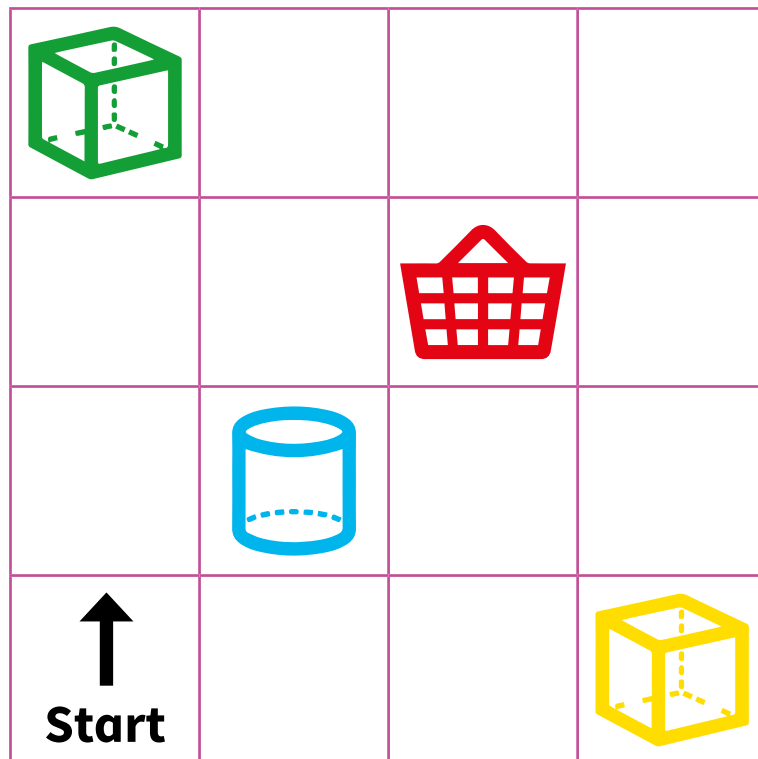
2. This pattern has a mistake. Draw the pattern correctly.



Robotics

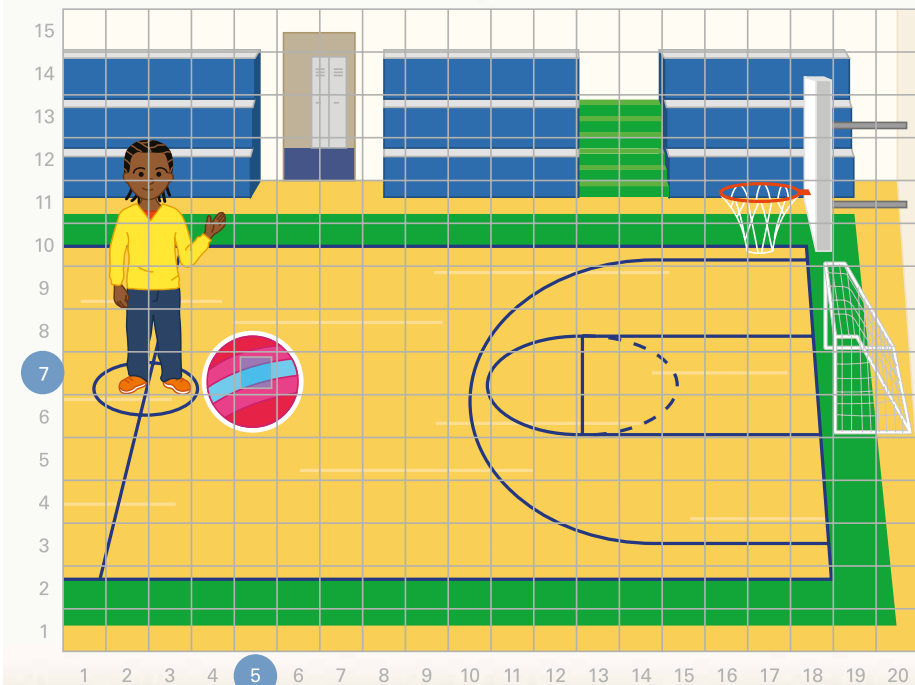
3. Work with a partner. One is the robot and one is the controller.

- The robot must pick up the blocks and put them in the basket.
- The controller must give the robot instructions. Count the blocks carefully. One block is one step. Use these words:
 - **Forward**
 - **Back**
 - **Turn right**
 - **Turn left**
 - **Pick up**
 - **Drop.**



ScratchJr

4. Create a project called Playing Football with the following background.



Write script for the ball:

1. The ball spins a full circle
2. The ball moves to the line in the inner circle
3. The ball spins anti-clockwise half a circle
4. The ball hits against the goal net
5. The ball moves to the feet of the Kid character.

The Internet and E-communication

5. Draw a circle around the icon that shows that you can work online on a computer.



Paint

6. Draw a circle around the icon for Paint.



7. Use the Paint application to make a drawing of a colourful rainbow over a green patch of grass. Use the drawing tools you have learnt to use so far.

Formal Assessment Term I Answers

Pattern Recognition and Problem Solving

1. Learners should add another set:



2. The last two shapes, orange circle and blue rectangle, have been swapped around. The corrected pattern is below.



Robotics

3. The learners could choose several different paths to follow in the grid. They must:
- Count the squares correctly
 - Use the direction words indicated
 - Use clear, simple instructions.

ScratchJr

4. New project is created with the correct background (gym) and the child and ball characters.
The script:



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5. 

Paint



7. Learners should:
- Select a brush option to make the drawing
 - Select different colours to draw a colourful rainbow
 - Select and use a suitable tool to draw the grass (could be a filled shape, a filled shape created using the line tool, or an area coloured in using a brush)
 - Change the width of the line as needed
 - Show creativity when making the drawing.