

SEQUENCE

sequence is the particular order to perform the step-wise instructions.

Activity Sequence

Growing a Plant

Write the number of steps in the correct sequence.



5



Tiny sprouts are formed.

3



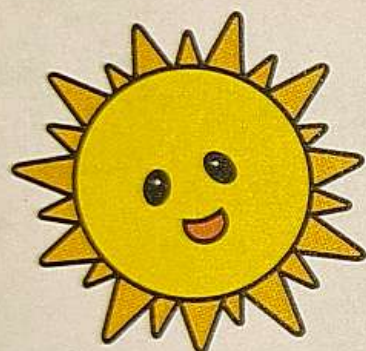
Pour water in the soil.

1



Put soil in the pot.

4



Keep the pot in sunlight.

6



Plant starts to grow.

2



Drop seeds in the pot.

ABSTRACTION

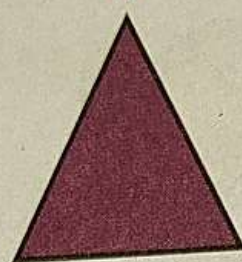
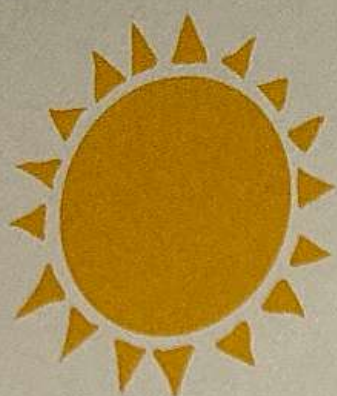
Abstraction means to focus on important information and ignore the rest. It means filtering out the data which you need from the whole.

Let us clarify it with the help of an example.

Children! You know about different shapes such as square, triangle, rectangle and circle.



In our real world also, we see these shapes in everyday objects such as the sun (circular), birthday cap (triangular), pencil-box (rectangular) and so on.



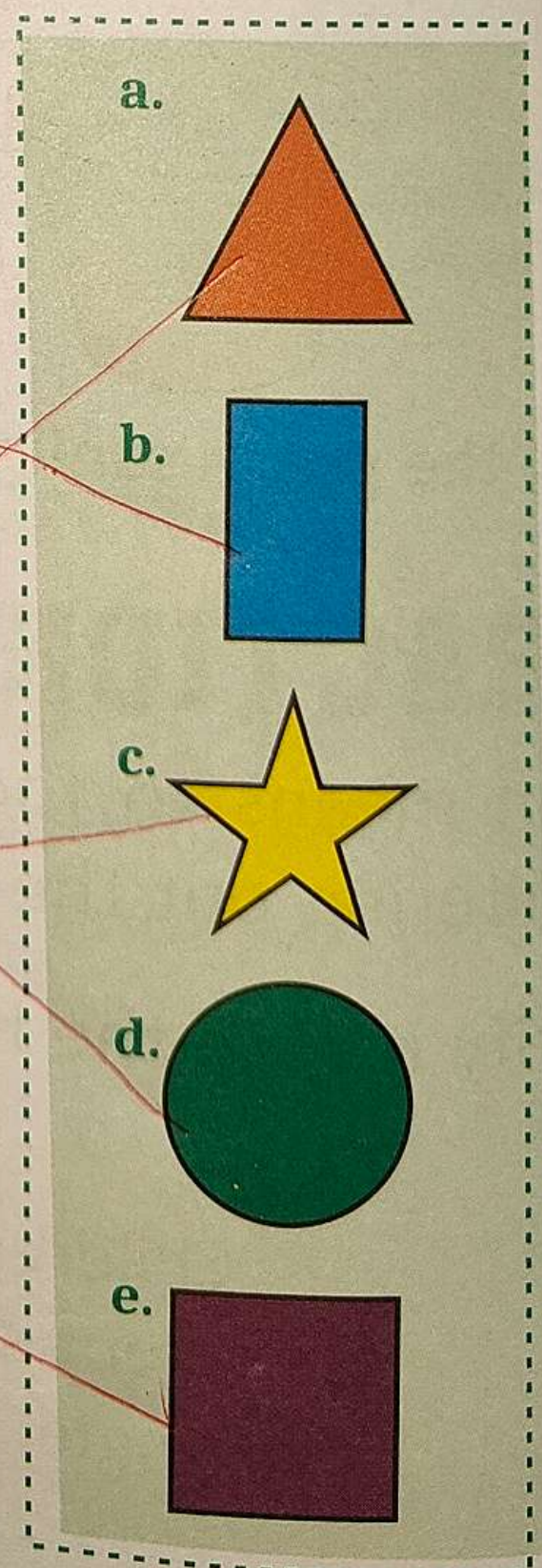
We can easily tell the shape of these objects as the sun is **round (circular)**, birthday cap is **triangular** and pencil-box is **rectangular**.

Abstraction helps the students to learn identify the details that are important in solving a problem.

Activity Abstraction

Abstract the Shapes from Objects

Match the object to its correct shape.



Now I Know!

After reading the chapter, I know these points:

- Step-wise thinking is a procedure to try to find solution to a problem or task.
- Computer follows our instructions and works accordingly in a step-by-step manner.
- If we solve a problem in a step-by-step procedure, it will give accurate result.
- Sequence is the particular order to perform the step-wise instructions.
- Abstraction means filtering out the data which we need from the whole.

CHECKLIST

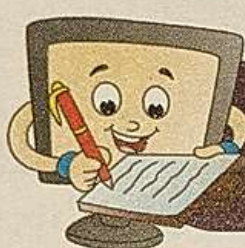
Agree Disagree

☒ Agree ☐ Disagree

☒ Agree ☐ Disagree

☒ Agree ☐ Disagree

☒ Agree ☐ Disagree

☒ Agree ☐ Disagree


Self-Evaluation

A. Mark the correct steps of the following procedure.

Your mother had just made a pan full of lentils (*dal*) when she got an urgent phone call. She had to go somewhere urgently. Now, you are feeling hungry but neither you nor your elder brother know how to cook rice. You called up your elder sister to know the steps to boil rice. Steps to cook rice are given below in a jumbled-up order. Mark the correct order.

- 3 Use a wooden spoon to stir once.
- 1 Pour some fresh water and bring it to boil in a pan.
- 5 Cover the pot tightly with a lid.
- 2 Add rice to the boiling water.
- 6 Gently fluff the rice with a fork.
- 4 Cover pot and let rice simmer for about 15 minutes.

B. Fill in the blanks.

- Step-wise thinking is a kind of thinking activity with a purpose or goal in mind.
- Sequence is the particular order to perform the step-wise instructions.
- Abstraction means to focus on important information and ignore the rest.

C. Answer the following questions. *omit*

1. What is step-wise thinking?

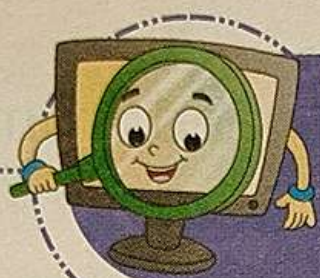
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2. What is abstraction?

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Activity Section

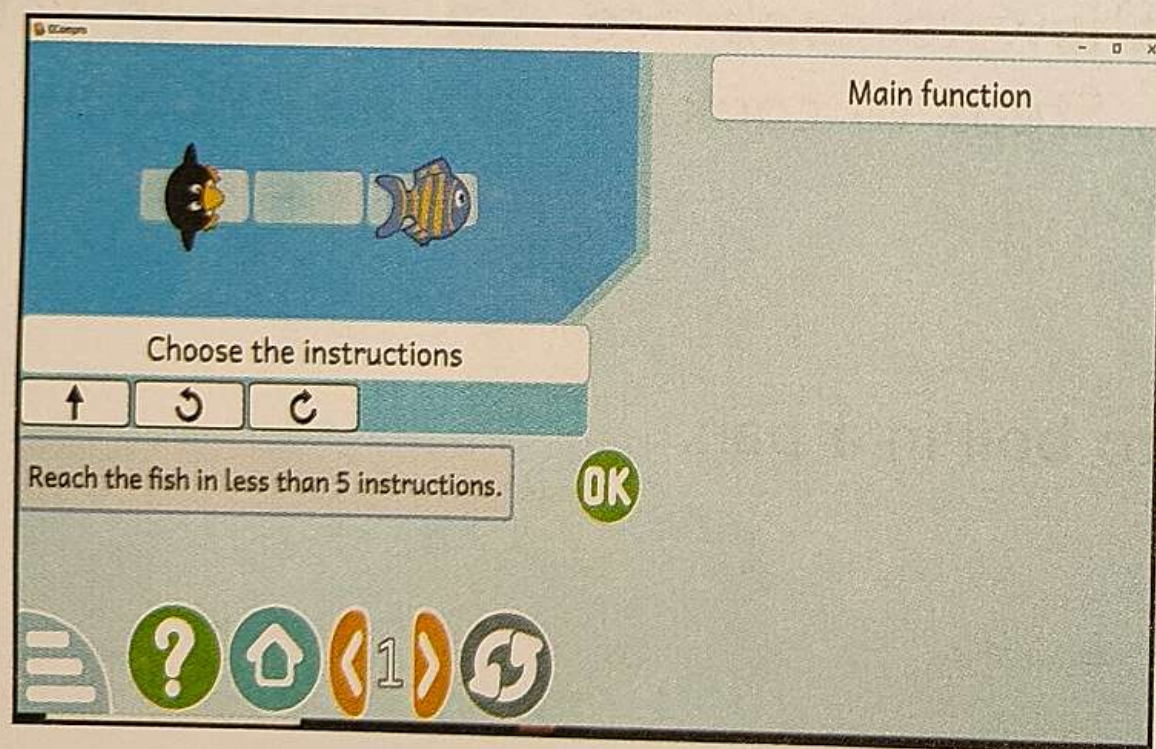
Lab Activity

Open the Educational Suite GCompris [].

1. Click on this icon [].
2. Click on Programming Maze [].

Skill Formation

- This activity aids in the
- development of spatial
- intelligence and
- enhances cognitive skills.



PLAYING METHOD

You can play this game by helping the hungry Tux to find the fish using the instructions like move forward, turn left and turn right.

Choose the instructions, arrange them in order and then press **OK** to lead the Tux to his goal.

Group Discussion

Discuss the topic – 'How does Step-wise Thinking Improve Our Working Capabilities?'.

Online Link

To learn more about step-wise thinking, visit the website:

<https://sway.office.com/CJ85cEeDGHKl1obi?ref=Link>

