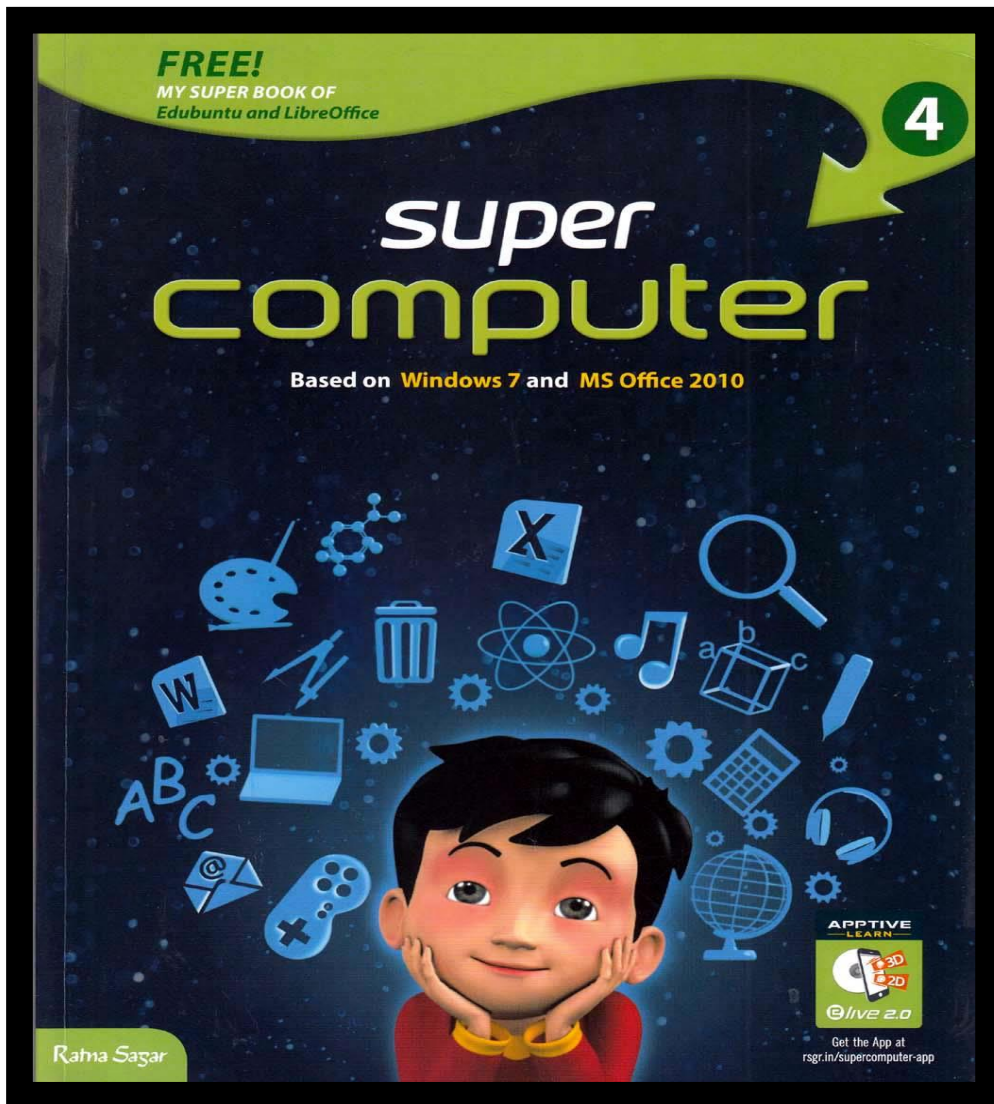




पुर्णा International School
Shree Swaminarayan Gurukul, Zundal

CLASS - IV
SUPER COMPUTER
SAMPLE NOTEBOOK
YEAR (21-22)



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PLAYING WITH IMAGES IN PAINT

➤ **Focus of the chapter**

- 1. Selecting a picture
- 2. Cropping a picture
- 3. Resizing and skewing a picture
- 4. Rotating and flipping a picture
- 5. Moving and copying a picture
- 6. Pasting an existing picture into paint

➤ **Keywords**

- 1. **Crop:** - an option that lets you delete part of a picture.
- 2. **Skew:** - an option that makes a selected picture appear slanted.

Checkpoint

➤ **Write T for true or F for false.**

- 1. You can crop a picture, delete it, resize it or copy it. T
- 2. Free-form selection is used to select an irregular part of a picture. F
- 3. The delete option removes the selected part of a picture. F
- 4. The part of a picture you want to keep is removed after applying the crop option. F

Exercise Corner

A. Tick (✓) the correct answer.

- 1. Which of the following is the first thing you would do make changes to a picture?
 - a) Delete the picture
 - b) Copy the picture
 - c) Select the picture
 - d) Paste the picture
- 2. Which option will you use to remove part of a picture?
 - a) Paste
 - b) Copy
 - c) Select all
 - d) Crop
- 3. Which of the following options will make a picture appear slanted?
 - a) Crop
 - b) Skew
 - c) Rotate
 - d) Resize
- 4. In which group are the copy and cut options present?
 - a) Image
 - b) Clipboard
 - c) Tool
 - d) Shapes

5. Which option helps you to make copies of a picture?

- a) Resize b) Skew c) **Copy** d) Cut

B. Fill in the blanks

1. Use the **select** tool to select a part of the picture that you want to change.
2. To select an irregular part of the picture, click on **free-form** selection.
3. To open the Resize and Skew dialog box, press CTRL + **W**
4. Use the **Rotate** option to flip a picture or a part of it.
5. Use the **paste-form** option to paste an existing picture into Paint.

C. Write short answers: -

Q 1) On which tab is the image group found?

Ans- **Home Tab**

Q 2) Which selection help to select a square or rectangular part of a picture?

Ans- **Rectangular selection.**

Q 3) Which option helps to select the entire picture?

Ans- **Rectangular selection.**

Q 4) Which dialog box appears when you click on the Resize option?

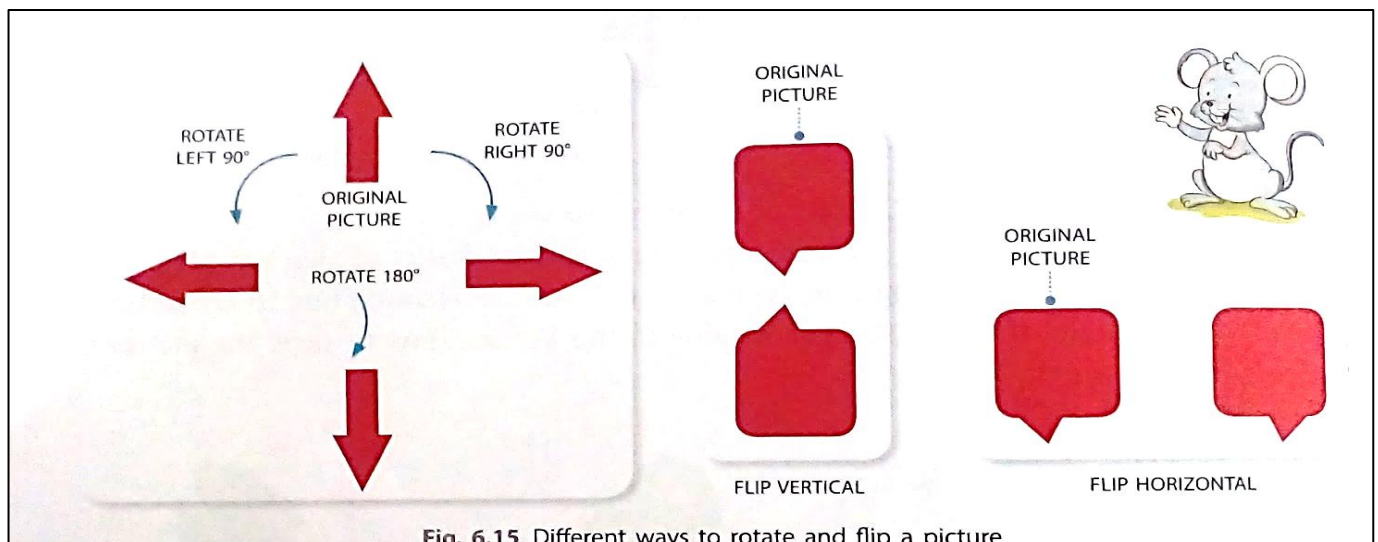
Ans- **Home Tab**

Q 5) Which button helps to rotate or flip a picture?

Ans- **Rotate button**

ACTIVITY

➤ **Draw the different ways to rotate and flip a picture :-**



CH-7

THE INTERNET AS A SUPERHIGHWAY

➤ Focus of the chapter

1. Internet
2. World Wide Web
3. Web page, Web browser, URL, Hyperlink, Website
4. Uses of the internet
5. E-mail
6. Searching for information
7. Staying safe while using the internet

➤ Keywords

1. **World Wide Web:** - a collection of web pages that contain text, pictures, audio and videos.
2. **Web browser:** - a type of software needed to view the contents of web pages.
3. **URL:** - the address of a web page
4. **Hyperlink:** - a highlighted word or image that takes you to a new web page when you click on it
5. **E-mail:** - messages that are sent and received through the internet

Exercise Corner

A. Tick (✓) the correct answers.

1. The internet is a global network of-
 - a. phones
 - b. computers
 - c. TVs
 - d. all of these
2. WWW stands for
 - a. World Wide Wild
 - b. World Wide Web
 - c. World Wide Weather
 - d. World Wide World
3. Which of the following is not a web browser?
 - a. Internet Explorer
 - b. Google Chrome
 - c. Opera
 - d. Gmail
4. All the web pages have an address known as
 - a. web address
 - b. URL
 - c. web pages
 - d. both a and b
5. You can use the internet to send and receive
 - a. messages
 - b. files
 - c. images
 - d. all of these

B. Fill in the blanks

1. The World Wide Web is popularly known as the web
2. A type of software used to view the contents of web pages is known as a web browser

3. A highlighted word or image on a web page is called a **hyperlink**.
4. The first page of a website is called the **home** page.
5. A **search** engine has a search box.

C. Find the odd one out

- | | | | |
|------------------|-------------------|------------------|-----------|
| 1. Google Chrome | Internet Explorer | Bing | Opera |
| 2. Website | Web page | Book Page | Home page |
| 3. Google | Bing | Ask | Opera |

D. Write short answers

Q1) What is the Internet?

Ans: - **A collection of connected networks is spread all over the world is called Internet.**

Q2) Define a web page?

Ans: - **A web page is a single page on the internet.**

Q 3) What do u mean by a hyperlink?

Ans: - **A hyperlink means a highlighted word.**

Q 4) What is a website?

Ans: - **A collection of linked web pages is called a website.**

Q 5) Name any two search engines?

Ans: - 1) **Google** 2) **yahoo**

Q 6) What is Google Chrome?

Ans: - **Google Chrome is a search engine.**

Q 7) What is the full form of URL?

Ans: - **Uniform Resource Locator.**

Q 8) What does the word internet stand for?

Ans: - **The word internet stands for interconnected network.**

ACTIVITY

➤ **Draw and colour browsers , search engines and write their names:-**

- | | | |
|----------------------------|-----------------------------|-------------------------|
| 1) GOOGLE | 2) Bing | 3) Ask |
| 4) YAHOO | 5) INTERNET EXPLORER | 6) GOOGLE CHROME |
| 7) MOZZILLA FIREBOX | | 8) OPERA |

CH-8

PEN COMMANDS IN MSWLOGO

➤ Focus of the chapter

1. PENUP and PENDOWN commands
2. HIDE TURTLE and SHOW TURTLE commands
3. PENERASE and PENPAINT commands

Exercise Corner

A. Tick (✓) the correct answers

1. This command is used to make the turtle stop drawing a line.
a) PD b) PU c) ST d) HT
2. This command is used to make the turtle draw line again.
a) PD b) PU c) ST d) HT
3. The HIDE TURTLE command is written in short as
a) HDT b) PU c) ST d) HT
4. What does the PE command do?
a) It erases a line b) It draws a line
c) It hides the turtle d) It stops drawing a line
5. Which command is used to show the turtle again?
a) PD b) PU c) ST d) HT

B. Fill in the blanks: -

1. The short form of the PENUP command is PU
2. The short form of the PENDOWN commands is PD
3. The PU command is used to make the turtle stop drawing a line.
4. The PE command is used to make the turtle erase a line.
5. Use the PPT command to undo the PE command.

C. Write short answers: -

- Q1. What command will you give to undo the PU command?
Ans. PENDOWN command will we give to undo the PU command.
- Q2. What is the short form of the HIDE TURTLE command?
Ans. HT is the short form of the HIDE TURTLE command.
- Q3. Which command is used to erase a line?
Ans. PE command is used to erase a line.

ACTIVITY

❖ Write the uses of command MSWLogo: -

<i>COMMAND</i>	<i>USES</i>
<i>PENUP</i>	<i>To make the turtle stop drawing a line.</i>
<i>PENDOWN</i>	<i>To undo the PU command</i>
<i>HIDETURTLE</i>	<i>To hide the turtle</i>
<i>SHOWTURTLE</i>	<i>To show the turtle again</i>
<i>PENERASE</i>	<i>To make the turtle erase a line</i>
<i>PENPAINT</i>	<i>To undo the PE command</i>

CH-9

DRAWING POLYGONS

➤ Focus of the chapter

1. Drawing lines with a corner
2. Drawing a triangle
3. Drawing a Rectangle
4. Drawing a triangle
5. Drawing a pentagon

➤ Keywords

1. **Square:** - a plane figure that has four equal sides and four corners.
2. **Rectangle:** - a plane figure that has four sides with opposite sides equal and four corners.
3. **Triangle:** - a plane figure that has three sides and three corners.
4. **Pentagon:** - a plane figure that has five sides and five corners.
5. **Hexagon:** - a plane figure that has six sides and six corners.

EXERCISE CORNER

A. Tick (✓) the correct answer

1. As the Logo turtle moves, it draws a
a) Line b) Cylinder c) Circle d) All of these
2. A place where two lines meet is called a
a) Side b) Triangle c) Corner d) None of these
3. Which of the following has four equal sides and four corners?
a) Square b) Rectangle c) Triangle d) Pentagon
4. Which of the following has three sides and three corners?
a) Square b) Rectangle c) Triangle d) Pentagon
5. Which of the following has five sides and five corners?
a) Square b) Rectangle c) Triangle d) Pentagon

B. Write the commands to draw the following polygons in Logo.

1. **Square:** - FD 60, RT 90, FD 60, RT 90, FD 60, RT 90, FD 60, RT 90
2. **Rectangle:** - FD 60, RT 90, FD 120, RT 90, FD 60, RT 90, FD 120, RT 90
3. **Triangle:** - FD 60, RT 120, FD 60, RT 120, FD 60, RT 120
4. **Pentagon:** - FD 60, RT 72, FD 60, RT 72, FD 60, RT 72, FD 60, RT 72, FD 60, RT 72

EXTRA QUESTIONS

➤ **Answer in one word**

Q1. What do you mean by corner?

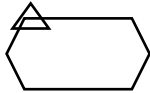
Ans. **A place where two lines meet is called corner**

Q2. How many sides or corner in a pentagon figure?

Ans. **5 sides and 5 corners.**

Q3. What is hexagon and draw its logo?

Ans. **A plane figure that has six sides and six corners are hexagon.**



Q 4. When the logo turtle moves what does it draw?

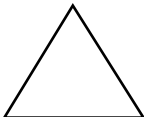



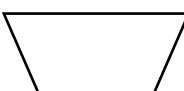

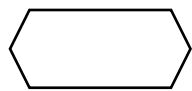
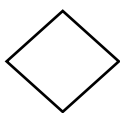
Ans. **The logo turtle moves, it draw a line.**

Q 5. What are the different types of polygon we can draw in a logo?

Ans. **Triangle, square, rectangle, pentagon.**

ACTIVITY

❖ **A polygon is an enclosed shape with three or more sides. It also has corners. Count the sides and corners of these polygons.**

				
No. of sides	3	4	4	4
No. of corners	3	4	4	4
				
No. of sides	4	5	6	4
No. of corners	4	5	6	4

THE END...