

# Class 2

## 1. More About Computers

### Let's Relate (Page-5)

Do it yourself.

### Brush Up (Page-8)

- Big in size
- Small in size
- Runs on electricity
- Runs on battery
- Fit in our pocket
- Kept on our lap
- Smaller screen
- Bigger screen

### Exercise Session

**A.** 1. (b), 2. (a), 3. (b), 4. (b), 5. (b)

**B.** 1. speed, 2. school, 3. Tablets, 4. airport, 5. desktop

**C.** 1. T, 2. T, 3. T, 4. F, 5. F

**D.** 1. (i) A computer can work very fast. It can do big calculations in a second. Humans cannot work so fast. (ii) A computer never makes mistakes like humans. It always gives correct results. 2. Computers are used to design newspapers, books, magazines, clothes, jewelleryes, cars, machines, etc.

### Snap Shot

1, 3, 1

### Skill Task

**A.** 1. WORK, 2. MISTAKES, 3. DATA, 4. COMMAND, 5. FAST

**B. to D.** Do it yourself.

## 2. Parts of a Computer

### Let's Relate (Page-15)

CPU, MONITOR, MOUSE, KEYBOARD

### Brush Up (Page-17)

1. Printing, 2. Typing, 3. Clicking, 4. Listening to music, 5. Watching movie

### Exercise Session

**A.** 1. (a), 2. (c), 3. (d), 4. (a), 5. (c)

**B.** 1. input devices, 2. Output, 3. CPU, 4. CD, 5. Printer

**C.** 1. T, 2. F, 3. T, 4. T, 5. F

**D.** 1. Input devices are used to enter data or give instructions to the computer. 2. Input devices—keyboard, mouse; Output devices—monitor, printer 3. Headphones are used by a single person to listen to music or sounds without disturbing others. 4. The printed copy is called a **hard copy** or a printout.

## Snap Shot

Input	Storage	Output
Mouse	Hard Disk	Speakers
Joystick	Pen Drive	Monitor
Keyboard	CD	Printer

### Skill Task

**A.** 1. Keyboard, 2. Mouse, 3. Printer, 4. Monitor

**B. to D.** Do it yourself.

## 3. Working of a Computer

### Let's Relate (Page-22)

Do it yourself.

### Brush Up (Page-24)

1. P, I, O; 2. O, P, I

### Exercise Session

**A.** 1. (c), 2. (c), 3. (a,c,d), 4. (b)

**B.** 1. Data, 2. input, 3. Output, 4. keyboard, mouse

**C.** 1. F, 2. F, 3. T, 4. F

**D.** 1. Data is raw, unorganised facts that need to be processed. 2. When data is processed, organised, structured or presented in a given context so as to make it useful, it is called information. 3. IPO stands for Input-Process-Output cycle. 4. The CPU does all the thinking and calculations.

## Snap Shot

2. Kiwi, 3. Banana, 4. Orange

### Skill Task

**A.** Input Device    Processing Device    Output Device

CD                      CPU                      Music

Oranges              Juicer                      Juice

Bread                      Toaster                      Toast

Dirty clothes    Washing Machine    Clean clothes

**B.** 1. INPUT, 2. OUTPUT, 3. PROCESS, 4. DEVICE, 5. COMPUTER

**C. and D.** Do it yourself.

## 4. Activities Using Keyboard and Mouse

### Let's Relate (Page-28)

1. M O U S E 2. K E Y B O A R D

### Brush Up (Page-30)

1. BACKSPACE, 2. ARROW, 3. SPACEBAR, 4. ENTER, 5. CAPS LOCK,  
6. DELETE

### Exercise Session

**A.** 1. (c), 2. (c), 3. (b), 4. (b), 5. (c)

**B.** 1. spacebar, 2. Caps Lock, 3. pointing, 4. light, 5. Drag

**C.** 1. T, 2. F, 3. F, 4. T, 5. T

**D.** 1. Caps Lock Key is a toggle key that allows us to type in all capital letters.

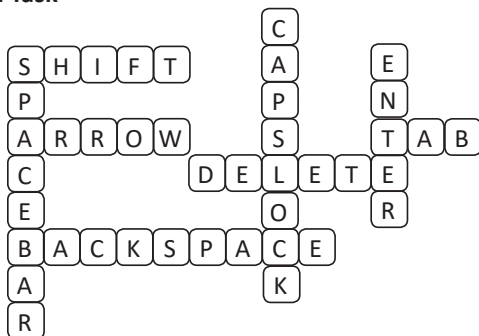
2. The Shift key is used to type symbols that appear on the top half of a keyboard. 3. Ball mouse, optical mouse and wireless mouse are different types of mouse. 4. Double-click is used to open the program.

### Snap Shot

1. right, 2. keyboard, left

### Skill Task

**A.**



**B. to D.** Do it yourself.

## 5. More on Tux Paint

### Let's Relate (Page-38)

Do it yourself.

### Brush Up (Page-42)

1. (a), 2. (b), 3. (c), 4. (d)

### Exercise Session

**A.** 1. (a), 2. (a), 3. (b), 4. (d), 5. (c)

**B.** 1. Lines, 2. text, 3. Shapes, 4. open, 5. quit

**C.** 1. F, 2. T, 3. T, 4. T, 5. T

**D.** 1. Different parts of a Tux Paint window are—Tools Box, Selector Pane, Up and Down Arrow, Drawing Canvas, Colors Palette and Help Area.

2. Text tool is used to add text, captions and titles in the drawings.

3. Magic tool is used to add a lot of special effects to our drawings. 4. To

open an existing drawing, follow these steps : **Step 1** : Click on the **Open**

tool in the **Tools box**. The small views of the drawings will appear. **Step**

**2** : Click on the required picture. **Step 3** : Click **Open** button in the lower

left corner of the screen. The drawing appears on the screen.

### Snap Shot

Do it yourself.

### Skill Task

- A.** (a) Text tool, (b) Stamp tool, (c) Magic tool, (d) Open tool, (e) Quit tool  
**B.** 1. Colors Box, 2. Line, 3. Save, 4. Shapes, 5. Paint, 6. Eraser, 7. Quit  
**C.** 2. New tool, 3. Open tool, 4. Shapes tool  
**D.** Do it yourself.

## 6. Working in MS Paint

### Let's Relate (Page-48)

1. PAINT, 2. OVAL, 3. SAVING, 4. RECTANGLE, 5. COLOURS

### Brush Up (Page-53)

1. Ribbon, 2. Home, 3. Color Picker, 4. Text, 5. Pencil

### Exercise Session

- A.** 1. (a), 2. (b), 3. (c), 4. (a), 5. (a)  
**B.** 1. Title bar, 2. Fill with color, 3. Crop, 4. Size, 5. Text  
**C.** 1. F, 2. T, 3. F, 4. F, 5. F  
**D.** 1. Pencil tool is used to draw free-form or freehand line with the selected line width. 2. Line tool, Curve tool, Oval tool, Rectangle tool, Polygon tool 3. Fill with color tool is used to fill colours in any closed figure. Color picker tool is used to pick colour from an image and use it to colour other part of the drawing. 4. To rotate/flip the image, follow these steps : **Step 1** : Select the image using the **Select** tool. **Step 2** : In the **Image** group, select the **Rotate** option. **Step 3** : Select the desired option from the list of options.

### Snap Shot (Page-58)

Do it yourself.

### Skill Task

<b>A.</b>	<b>Tab</b>	<b>Group</b>	<b>Tool</b>
	Home	Tools	Text
	Home	Tools	Brushes
	Home	Shapes	Rectangle
	Home	Image	Rotate

- B.** 1. (d), 2. (a), 3. (b), 4. (e), 5. (c)

**C. and D.** Do it yourself.

## 7. WordPad

### Let's Relate (Page-60)

Do it yourself.

### Brush Up (Page-62)

1. D, 2. P

### Exercise Session

- A.** 1. (b), 2. (b), 3. (b)  
**B.** 1. word, 2. File, Open, 3. saving, 4. File, Exit  
**C.** 1. F, 2. F, 3. F, 4. T  
**D.** 1. File Menu, Quick Access Toolbar, Title Bar, Ribbon and Work Area.  
2. It is the area in which we type the text. 3. Storing work in the computer is called saving. 4. Text color button is used to type text in colour.

### Snap Shot

**Ribbon** → Cursor, **Wordpad button** → Work Area, **Close button** → Ribbon, **Cursor** → Close Button

### Skill Task

- A.** **Steps to save a document**      **Steps to open a saved document**  
1. Click on File menu.                      1. Click on File menu.  
2. Click on Save option.                      2. Click on Open option.  
3. Give a name to your work.                3. Click to select a file name.  
4. Click Save button.                          4. Click Open button.
- B.** 1. RIBBON, 2. WORK AREA, 3. TITLE BAR, 4. FILE MENU  
**C. and D.** Do it yourself.

## 8. Reasoning and Analysis

### Let's Relate (Page-67)

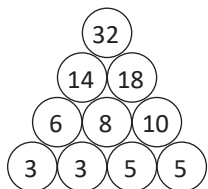
1. 30, 35, 40 2. 12, 14, 16, 3. 18, 21, 24, 4. 50, 60, 70, 5. 16, 20, 24

### Brush Up (Page-68)

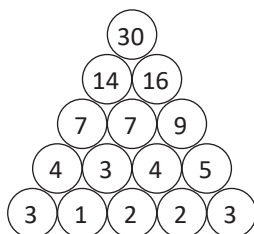
A	C	D	B
D	B	A	C
C	A	B	D
B	D	C	A

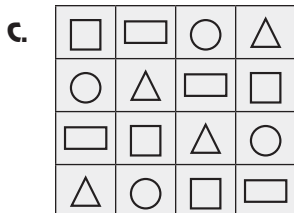
### Exercise Session

- A.** 1. (d), 2. (d), 3. (c)  
**B.** 1.



- 2.



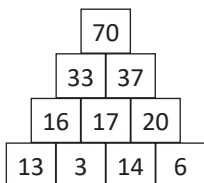


**Snap Shot**

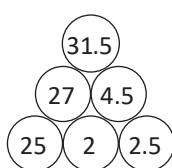
Do it yourself.

**Skill Task**

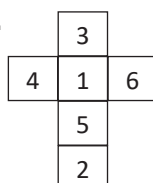
**A. 1.**



**2.**



**B.**



**9. More on Artificial Intelligence**

**Let's Relate (Page-72)**

1. Natural thing, 2. Artificial thing, 3. Artificial thing, 4. Natural thing

**Brush Up (Page-74)**

1. (b), 2. (c), 3. (a)

**Exercise Session**

**A.** 1. (a), 2. (a)

**B.** 1. machines, 2. filters, 3. Robots, 4. accurately, precision

**C.** 1. Artificial intelligence refers to the intelligence of machines.  
2. Industrial robots are used in factories to load materials, move them and unload them.

**Snap Shot**

1. Lift, 2. Clean

**Skill Task**

**A.** 1. GOOGLE, 2. ROBOT, 3. NAVIGATION, 4. SEARCH ENGINE

**B. and C.** Do it yourself.