



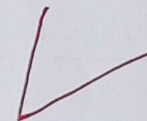
## Flash Lab

### Q1. Fill in the blanks.



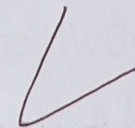
- (1) You can use LOGO to give instructions to your computer to make various patterns. These instructions are called primitives <sup>window</sup>
- (2) The Turtle obeys the commands typed in the commander and moves around as per the instructions given.
- (3) After giving the PENUP primitive the Turtle moves without drawing any line behind it.
- (4) The PEN PAINT command is used after the PE or the PU command so the Turtle starts drawing again.
- (5) The REPEAT command saves a lot of time.

### Q2.. Match the columns:



#### Column A

- (1) PENDOWN
- (2) PENERASE
- (3) PENPAINT
- (4) PENUP



#### Column B

- (a) This command is used after the PE or the PU command.
- (b) This command is used to multiply two numbers.
- (c) This command is used to change the colour of the Turtle pen.
- (d) This command is used to erase the line or graphics.





(5) SETPC

(e) This command allows the Turtle to start drawing a line again.

(6) PRODUCT

(f) This command moves the Turtle without drawing any line behind it.

Ans: (1) e

(2) d

(3) a

(4) f

(5) c

(6) b

Q3. Write the commands that the Turtle would require to do the following tasks.

(1) Print the sum of 90 and 30. Print  $90 + 30$

(2) Find the product of 90 and 30. Print  $90 * 30$

(3) Find the difference 650 240. Print  $650 / 240$

(4) Print quotient when 90 is divided by 30. Print  $90 / 30$



Q4. Answer the following in brief.

(1) Explain the use of REPEAT command.

Ans: The Repeat command is used to instruct the computer to repeat a command several times



(2) Give the difference between PENUP and PENDOWN commands.

Ans: PENUP moves the turtle without drawing any line behind it. PENDOWN command allows the Turtle to start drawing a line again





(3) Give the difference between ST and HT commands.

Ans: HT Command is used to make the turtle disappear from the graphic window  
ST Command is used to make the turtle reappear on the screen of the graphic window

(4) Write the code to draw a semi-circle and circle using REPEAT command.

Ans: REPEAT 1 [FD 1 RT 180] → Semi-circle

REPEAT 1 [FD 1 RT 360] → circle