

WORKSHEET

6

A. Answer the following Questions.

1. Give the number of rows and columns a text screen in QBASIC is divided into.

Number of Rows

Number of Columns

2. What is the screen resolution in SCREEN 9 mode?

×

3. Specify the direction that is used with the DRAW command by filling up the table below.

 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>
 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>	 <input type="checkbox"/>

B. State True (T) or False (F):

1. The DRAW command is used to draw a point on the screen.
2. The LINE command can only be used to draw lines.
3. The CIRCLE command is used to draw circles of the same radius.
4. The origin of the x and y co-ordinate is always the upper left corner of the screen.
5. The PAINT command is used to fill an enclosed shape with a specified color.
6. The screen resolution should be changed to graphics mode in order to use graphics in QBASIC.
7. In textual mode QBASIC divides the screen into 25 rows and 80 columns.
8. The statement SCREEN 1 is used to change the screen to text mode.
9. The COLOR command is used to change the color of background on the screen in graphics mode.
10. The statement DRAW "E50" will draw a straight line of 50 pixels moving diagonally up towards the left direction.

C. Fill in the blanks with the given words:

CIRCLE	PRESET	BF	pixel	left
LINE	WHITE	blinking	PSET	SCREEN 0

1. _____ is used to revert back to the text mode.
2. The _____ command may be used to draw a rectangle in one go.

3. The _____ is used to draw a point on the screen.
4. The default colour in the graphics screen is _____.
5. The _____ command is used to remove the dot drawn using the PSET command.
6. The direction 'G' used with DRAW is used to draw a line by moving diagonally down and _____.
7. The intersecting point of an imaginary horizontal line and a vertical line is called a _____.
8. The parameter _____ is used to draw a rectangle and fill it up with a color.
9. The _____ command can be used to draw a circle on the screen.
10. In text mode while using the command COLOR, if you add 16 to the foreground color code, it will result in _____ the text.

D. Choose the correct answer:

1. **Which command is used to colour an enclosed area?**
 - a) PAINT
 - b) COLOR
 - c) PSET
 - d) DRAW

2. The _____ command may also be used to relocate the drawing position using DRAW command.
- a) COLOR
 - b) BLACK
 - c) LINE
 - d) PSET
3. The parameter B used with the LINE statement is used to draw a _____.
- a) Line
 - b) Circle
 - c) Box
 - d) None of these
4. You can draw concentric circles by using a fixed center co-ordinate but varied _____.
- a) COLOR
 - b) LINE
 - c) Radius
 - d) All of these.
5. The x co-ordinate is used to specify the _____.
- a) Row number
 - b) Column number
 - c) Both a and b
 - d) None of these.

6. The parameter **G** used with the **DRAW** command is used to draw a line _____.
- a) Move diagonally up and right
 - b) Move diagonally down and right
 - c) Move diagonally up and left
 - d) Move diagonally down and left
7. To draw concentric circles the _____ should be changed.
- a) Radius
 - b) X-coordinate
 - c) Y-coordinate
 - d) All of these
8. A _____ is basically the column and row number of a pixel starting from upper left corner.
- a) Resolution
 - b) Graphics
 - c) co-ordinate
 - d) line