

Unit3 Worksheet

True/False

Indicate whether the statement is true or false.

- _____ 1. Raster graphics are also called bitmapped graphics.
- _____ 2. The extension on an image indicates the file format.
- _____ 3. TIF files are very small.
- _____ 4. Most native file types need to be converted to a format specific to their intended output.
- _____ 5. EPS or Encapsulated PostScript images are used primarily for print purposes.
- _____ 6. Visual size of an image and the amount of storage space it will take up is the same.
- _____ 7. Compression is the process of reducing the size of an image.
- _____ 8. GIF, PNG, and TIF use a lossy compression.
- _____ 9. Resolution of an image is measured in pixel density.
- _____ 10. Both physical size and pixel density work in tandem to determine your final product.
- _____ 11. The ratio of the width to the height of an image is the aspect ratio.
- _____ 12. When resizing an image, it is best to keep in mind the aspect ratio.

Multiple Choice

Identify the choice that best completes the statement or answers the question.

- _____ 1. Paint programs create images by using
 - a. drawing elements.
 - b. points.
 - c. pixels.
 - d. lines.
- _____ 2. _____ consists of a specific color at a specific location in a matrix or grid.
 - a. Pixels
 - b. Vectors
 - c. Points
 - d. Lines
- _____ 3. Vectors are created using a series of
 - a. colors.
 - b. dots.
 - c. mathematical points.
 - d. jags.

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- _____ 4. An advantage of a vector graphic over a raster graphic is
- a. editing photos.
 - b. better resizing results.
 - c. ragged outline.
 - d. more colors.
- _____ 5. BMP file sizes are
- a. usually found on the web.
 - b. small file sizes.
 - c. often quite large.
 - d. colorful, using millions of colors.
- _____ 6. The most common non-native raster file format in use today.
- a. JPG
 - b. BMP
 - c. GIF
 - d. AI
- _____ 7. PNGs are often used to replace GIFs because
- a. of a larger file size.
 - b. there are more colors available.
 - c. they are more widely used.
 - d. of their availability.
- _____ 8. All of the following file types are good for use on the Web EXCEPT
- a. GIF
 - b. PNG
 - c. TIF
 - d. JPG
- _____ 9. SVG stands for
- a. Scalable Vector Graphics;
 - b. Size Vector Graphics.
 - c. Scalable Vector GIFs.
 - d. Standard Vector Graphic.
- _____ 10. Extensions for the most common vector file formats are SVG and
- a. BMP.
 - b. EPS.
 - c. JPG.
 - d. PNG.
- _____ 11. The speed at which a computer can transmit information along a network is called
- a. ISDN.
 - b. DSL.
 - c. bandwidth.
 - d. dial-up.
- _____ 12. Adding or deleting image pixels during the process of resizing is called
- a. pixelating.
 - b. resampling.
 - c. scaling.
 - d. vectoring.

Short Answer

1. Briefly explain the difference between lossy and lossless compression.