1. How many bits does it take to represent the values from 0 to 255? 8
2. How many bytes does it take to represent a color in the RBG color model? 1
3. How many pixels are in a picture that is 640 pixels wide and 480 pixels high? 307200
4. How can you make pink?

Drag green to 125 and drag blue to 147. Drag red at 255.

1. How can you make yellow?

Drag green and red to 255. Drag Blue to 0.

1. How can you make purple?

Drag red and blue to 255. Drag green to 0.

1. How can you make white?

Drag red, green, and blue to 255.

1. How can you make dark gray?

Drag red, green, and blue to 0, then drag the aqua setting to 150.

1. What is the row index for the top left corner of the picture?

Row 0.

1. What is the column index for the top left corner of the picture?

Column 639.

1. The width of this picture is 640. What is the right most column index?

639.

1. The height of this picture is 480. What is the bottom most row index?

479.

1. Does the row index increase from left to right or top to bottom?

Top to bottom.

1. Does the column index increase from left to right or top to bottom?

Left to right.

1. Set the zoom to 500%. Can you see squares of color? This is called pixelation. Pixelation means displaying a picture so magnified that the individual pixels look like small squares.

Yes, I see the pixels.