

PICTURING DECIMALS

Materials for each students

- 10 x 10 grid
- crayons, markers, or map colors in five different colors

Give each student a grid. Choose five colors that each student should use. For instance, each student will have a blue, green, red, yellow and white. The students will color a design or picture on the 10 x 10 grid with the rules.

- each square will be colored completely with one color
- all five colors must be used, but they do not have to be used equally

After they have finished coloring pose these problems (these are just examples - you certainly can make up your own):

- Write the decimal number for reds, yellows, blues, whites and greens
- List the decimal numbers in order from least to greatest
- Compare the decimal for red to the decimal for blue
- Write the decimal number for reds + yellows
- Write the decimal number for greens + blues (and so on)
- Write the decimal number for all the colors added together
- Write the decimal number for the most used color minus the least used color
- With a partner, add together all the blues and reds
- Make up some of your own problems

Name _____

PICTURING DECIMALS

Your design is one large square.

1. Write the decimal number for the portion of your design that you used to color in -

Red _____

Blue _____

Green _____

Yellow _____

White _____

2. List the above decimals in order from least to greatest.

3. Compare the decimal numbers used for these colors.

Use $<$ (less than), $>$ (greater than) or $=$ (equal to)

yellow to blue _____

green to red _____

red to white _____

yellow to red _____

4. Write the decimal number when you add these colors together.

green + blue _____ + _____ = _____

yellow + green _____ + _____ = _____

white + blue _____ + _____ = _____

red + green + white _____ + _____ + _____ = _____

blue + yellow + red _____ + _____ + _____ = _____

blue + yellow + red + green + white

_____ + _____ + _____ + _____ + _____ = _____

5. Write the decimal of the color you used the most. Then subtract from that the decimal of the color you used the least.

_____ - _____ = _____

Attach your design below.

10 X 10 Grid



