



Name \_\_\_\_\_ Per \_\_\_\_\_  
Mrs. Doolan/Math 6

**5-7 & 5-8: Converting, Comparing and Ordering Fractions & Decimals**

**Objective:** I've learned how to convert fractions↔decimals. Now I'll learn how to compare and order them using a visual model.

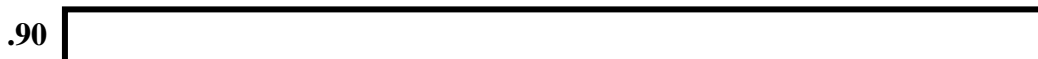
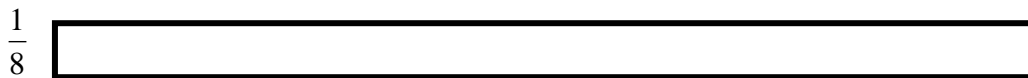
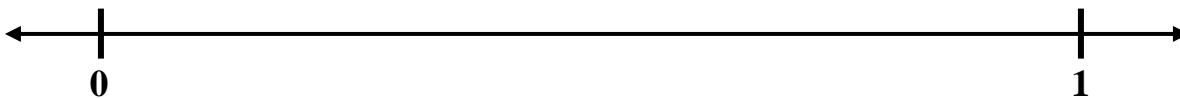
**Directions:** Create a visual model for each of the fractions and decimals given and place each on a number line to order:



**STEPS TO CREATING A VISUAL MODEL:**

1. First, create a number line and place 0 and 1 on it;
2. Next, draw a rectangle under the number line to show each fraction or decimal given and write one of the values to the left of each bar;
3. Divide each bar into an appropriate number of sections and color in the portion of the bar represented by the fraction or decimal;
4. Then, place each number on the line directly above the colored section of the bar;
5. Finally, write an ordered string of the values given.

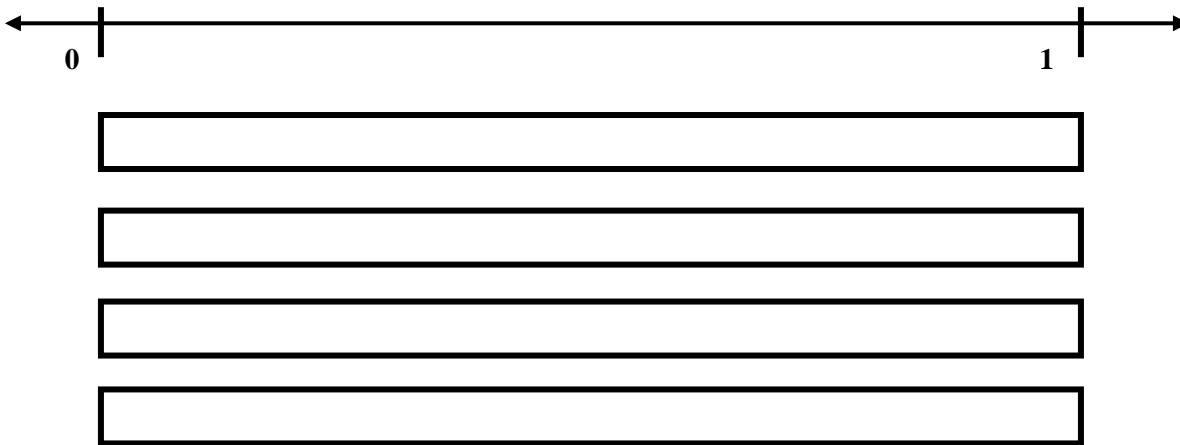
**Ex #1: Order:**  $\frac{3}{5}$ , .25,  $\frac{1}{8}$ , .90



**NOW, write them in order:** \_\_\_\_\_

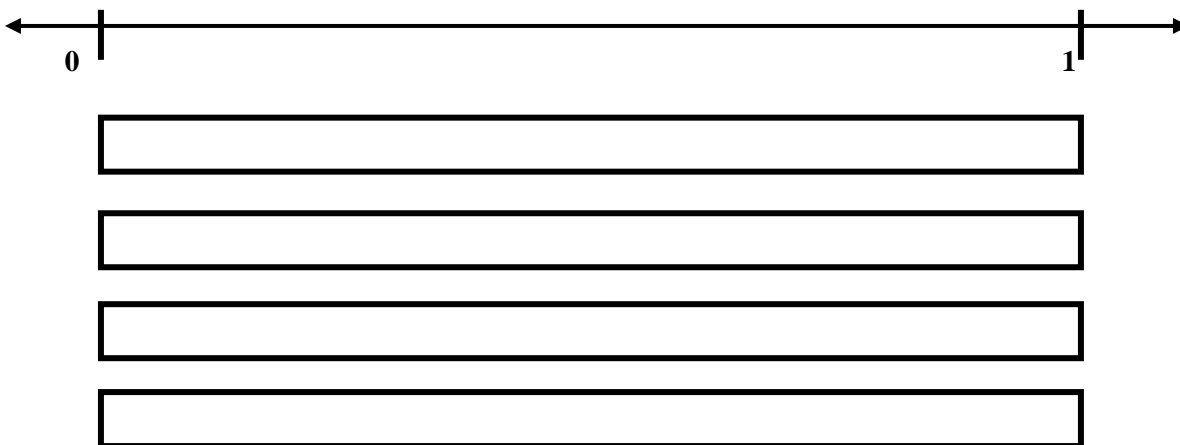
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5. Finally, write an ordered string of the values given.

Ex #2: Order: .4,  $\frac{1}{2}$ , .8,  $\frac{1}{3}$



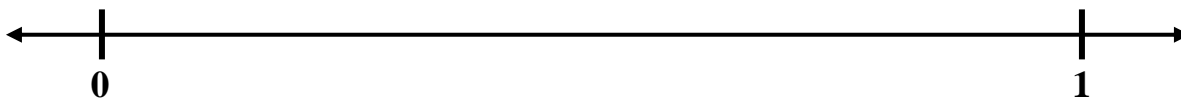
NOW, write them in order: \_\_\_\_\_

Ex #3: Order:  $\frac{2}{5}$ , .11,  $\frac{2}{3}$ , .5



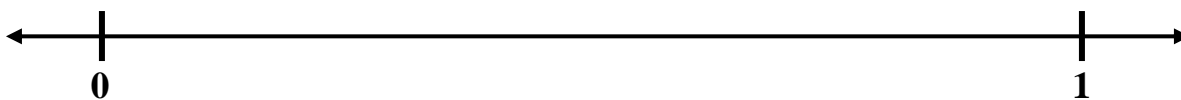
NOW, write them in order: \_\_\_\_\_

Ex #4: Order:  $.35$ ,  $\frac{3}{4}$ ,  $.6$ ,  $\frac{4}{5}$



NOW, write them in order: \_\_\_\_\_

Ex #5: Order:  $\frac{1}{6}$ ,  $.85$ ,  $\frac{3}{6}$ ,  $.35$

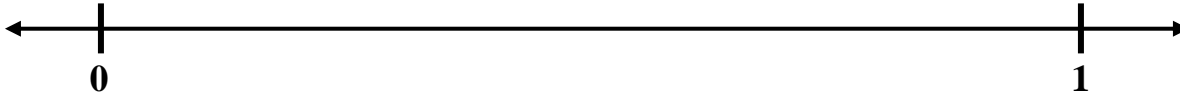


NOW, write them in order: \_\_\_\_\_

**CHALLENGE: NOT REQUIRED, BUT GIVE 'EM A GRADE6 TRY!**

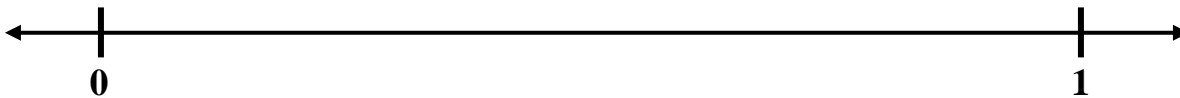


**Ex #6: Order:**  $\frac{3}{7}$ ,  $.76$ ,  $\frac{5}{6}$ ,  $.900$




**NOW, write them in order:** \_\_\_\_\_

**Ex #7: Order:**  $\frac{105}{140}$ ,  $\frac{4}{16}$ ,  $\frac{8}{48}$ ,  $\frac{75}{150}$




**NOW, write them in order:** \_\_\_\_\_