Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_ Date: \_\_\_\_\_

**2.1C Rational Numbers\_Classwork**

Objective: understand that a rational number is an integer divided by an integer, convert rational numbers to decimals. CC.SS.7.NS.2b, CC.SS.7.NS.2d

*HW: textbook- 2.1C page 48\_*#24-30 ALL, #36-41 ALL



|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Write the decimal as a fraction or a mixed number in simplest form**

|  |  |  |  |
| --- | --- | --- | --- |
| -0.7 =  | 0.125 = | -1.12 =  | 0.75 =  |
| -0.3 =  | 0.355 = | -1.45 =  | 0.65 =  |

**Order the numbers from least to greatest**

|  |  |
| --- | --- |
| 1. $-\frac{4}{5}, \frac{2}{3}, 0.75, -0.8$
 | 1. $-\frac{3}{4}, -2\frac{1}{5}, -2.25,- 1.3 $
 |
| 1. $-\frac{3}{8}, -1\frac{3}{10}, -0.2, -0.95$
 | 1. $1\frac{7}{10}, \frac{1}{3}, -0.15, -2.8$
 |

 |

**WARM-UP**

One the diagram provided color in the decimal fractions

|  |  |
| --- | --- |
| Problems | Color |
| 1. 0.7
 |  |
| 1. 0.9
 |  |
| 1. 0.4
 |  |
| 1. 0.25
 |  |

Write each of the following as a simplified fraction and draw a diagram to represent each rational number.

|  |  |
| --- | --- |
| Example:  $\frac{113}{100}=\frac{100}{100}+\frac{13}{100}=1+\frac{13}{100}=1\frac{13}{100}$ |  |
| 1. $\frac{20}{100}$
 |  |
| 1. $ \frac{70}{100}$

  |  |
| 1. $ \frac{150}{100}$
 |  |
| 1. $ \frac{225}{100}$
 |  |