Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_HR: \_\_\_\_\_\_

**Problem: Fractions on the Number Line**

A. On the number line below place the following benchmark fractions: $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$, 1 $\frac{1}{2}$, 1 $\frac{1}{4},$ 1 $\frac{3}{4}$ . Then, decide where to place the fractions below. Record your information in the table.

 0 1 2

Fractions:

$\frac{1}{5}$ $\frac{4}{5}$ $\frac{1}{3}$ $\frac{2}{3}$ $\frac{1}{10}$ $\frac{6}{10}$ $\frac{8}{10}$ $\frac{3}{8}$ $\frac{17}{12}$ $\frac{7}{8}$ $\frac{9}{8}$ $\frac{4}{7}$ $\frac{6}{3}$

|  |  |  |  |
| --- | --- | --- | --- |
| Between 0 and $\frac{1}{2}$ | Between $\frac{1}{2}$ and 1 | Between 1 and 1$\frac{1}{2}$  | Between 1 $\frac{1}{2}$ and 2 |
|  |  |  |  |
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|  |  |  |  |

B. Use benchmarks or another strategy to help you write each set of fractions in order from **least to greatest**.

1. $\frac{2}{3}$ $\frac{7}{9}$ $\frac{3}{7}$

2. $\frac{4}{5}$ $\frac{4}{12}$ $\frac{7}{10}$ $\frac{5}{6}$