Name_____

STUDY GUIDE Investigation 3
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1. On the strip below, mark and label the location of each decimal:

    0.2   0.79   0.790   0.079   0.02

0	$\frac{1}{10}$	$\frac{2}{10}$	$\frac{3}{10}$	$\frac{4}{10}$	$\frac{5}{10}$	$\frac{6}{10}$	$\frac{7}{10}$	$\frac{8}{10}$	$\frac{9}{10}$	$\frac{10}{10}$
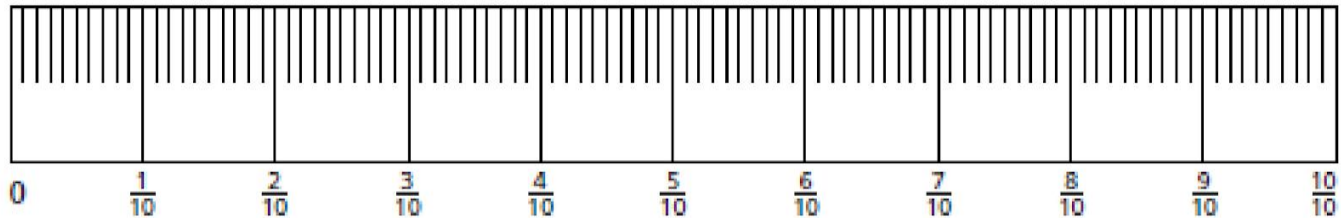
2. Betsy baked 12 pies for her family reunion. There will be 48 people attending. How much   pie can each person eat if they each get an equal share?   Write your answer as a fraction and as a decimal.

3. A group of 8 sixth graders shoveled snow for several families.   They were given $242 to share equally.   How much money does each sixth grader get?   Write your answer as a fraction and as a decimal.

4. Order these numbers from least to greatest:

   $\frac{9}{4}$ $-1\frac{3}{4}$ $\frac{7}{3}$ $-\frac{3}{5}$ $1\frac{3}{4}$ $\frac{17}{10}$ $-\frac{3}{2}$

5. Compare the fractions in each pair. Insert the correct sign: < , > , or = .
   Explain/SHOW your reasoning.

   a. $\frac{35}{5}$ ☐ $\frac{33}{4}$ b. $-\frac{3}{5}$ ☐ $-\frac{6}{12}$ c. $\frac{1}{5}$ ☐ $-\frac{4}{3}$

   d. $\frac{5}{9}$ ☐ $\frac{5}{6}$ e. $-\frac{3}{4}$ ☐ $-\frac{1}{4}$ f. $-\frac{3}{4}$ ☐ $\frac{1}{4}$

6. What numbers have an absolute value of 4?

7. Find three numbers between –0.13 and –0.12.

8. The ratio of boys to girls in class is 2 to 3. If there are 12 boys, how many girls are   there? How many total kids are in the class?

9. The diagram represents $^1/_4$ of a forths fraction strip. Sketch the whole strip.

10. The diagram represents $^2/_3$ of a thirds fraction strip. Sketch the whole strip.