Name (print):

Solutions.

Each problem is worth 2 points. Show all your work.

- 1. Write the following fractions as finite or repeating decimals:
  - (a)  $\frac{3}{8}$

 $\frac{3}{8} = \frac{3}{2 \cdot 2 \cdot 2} =$ 

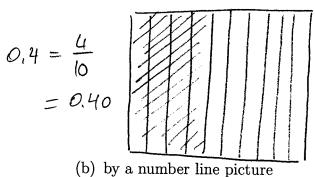
- (b)  $\frac{24}{9}$
- 2.6666 9 24.000000 18 60 5 repeating

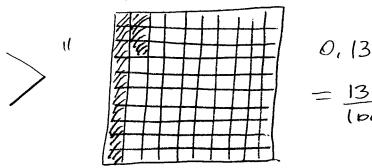
$$= \frac{3 \cdot 5 \cdot 5 \cdot 5}{2 \cdot 2 \cdot 2 \cdot 5 \cdot 5 \cdot 5}$$

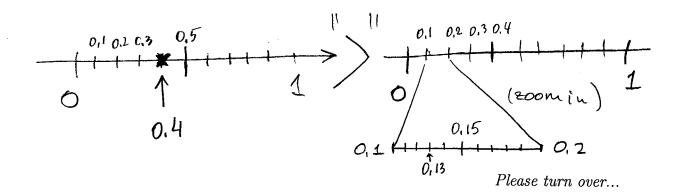
$$= \frac{3 \cdot 125}{1000} = \frac{375}{1000}$$

$$= 0.375$$

- = 2.6
- 2. Daniel writes 0.4 < 0.13 "because 4 is less than 13". Explain the correct reasoning
  - (a) by drawing the hundredths charts (rectangular arrays)







3. Give a "teacher's solution" to the problem (diagram is optional but may be helpful). Make sure you present your solution in a clear way.

40% of the beads in a box are red and the rest are yellow. There are 36 more yellow beads than red beads. How many beads are there altogether?

