Math 4a. Homework 14.

1. Write in decimal notation the following fractions:
a. $\frac{9}{10} ; \frac{24}{100} ; \frac{375}{1000} ; \frac{29}{100} ; \frac{47}{1000} ; \frac{7}{10} ; \frac{999}{1000} ; \frac{99}{100}$
b. $\frac{1}{2} ; \frac{3}{4} ; \frac{2}{5} ; \frac{7}{20} ; \frac{18}{25} ; \frac{23}{50}$
2. Write the coordinates of the marked points:

3. Compare:
0.756
0.76 ;
0.12345
0.0102030405 ;
3.4208
3.4028;
0.32032032
0.321;
4.0986
4.1;
2.57043566
2.5703456666 ;
12.576 9.99999;
7.77777777
7.77777777;
4. Fill empty spaces with missing digits to get the wright expressions:
a) $\begin{array}{r}\square 7 . \square 6 \square \\ \hline 3 \square .900 \\ \hline \square .44\end{array}$
b) $\begin{array}{r}\square 4.7 \square 1 \\ \frac{1 \square .28 \square}{21 . \square 71}\end{array}$
c) $\begin{array}{r}3 . \square 5 \square 82 \\ \square .2 \square 74 \square \\ \hline 4.029 \square 2\end{array}$
d) $\begin{array}{r}1 \square .2 \square 30 \square \\ \frac{8.05 \square 27}{6 . \square 25 \square 3}\end{array}$
5. 6000 people live in three villages altogether. In the first village there are twice as many inhabitants as in the second village and in the third village the number of inhabitants is 500 less than in the first one. How many people live in each village?
6. The fourth grade is going on a school trip. Every student had to bring in $\$ 64$ for the trip to cover all costs. Unfortunately, 3 students could not participate on the trip. Therefore, every student who went on the trip had to bring in $\$ 4$ more so those who did not go could get their money back. How many students went on the trip?
7. Connect the fractions in increasing order, as shown:

8. Evaluate:

$$
\frac{\frac{2}{3}+\frac{1}{6}}{3} ;
$$

$$
\frac{\frac{17}{100}-\frac{1}{10}}{10}
$$

$$
\frac{1-\frac{1}{6}}{2+\frac{1}{6}}
$$

$$
\frac{\frac{1}{2}+\frac{3}{4}}{\frac{1}{2}}
$$

