

Name: _____

Date: _____

Chapter 2 Quiz Practice

Write the following decimals as fractions and mixed numbers in simplest form.

Example: 2.038

1) 0.45

2) 0.6

3) 8.004

$$2 \frac{38}{1000} \div 2$$

$$= 2 \frac{19}{500}$$

Write the following fractions and mixed numbers as decimals.

Example: $3 \frac{19}{20} = 3.95$

4) $6 \frac{18}{25}$

5) $7 \frac{54}{200}$

6) $\frac{11}{40}$

$$\frac{19 \times 5}{20 \times 5} = \frac{95}{100}$$

OR

$$\begin{array}{r} \text{xx} = 95 \\ 20 \overline{) 19.00} \\ \underline{-180} \\ 100 \\ \underline{-100} \\ 0 \end{array}$$

Write each number or ratio as a percent.

Example: $2 \frac{2}{5} = 240\%$

7) 478 : 100

8) 0.093

9) $\frac{1}{8}$

$$2 \frac{2}{5} = 2 \frac{4}{10} = 2.4$$

$$2.4$$

OR

$$2 \frac{2}{5} = \frac{12 \times 20}{5 \times 20} = \frac{240}{100}$$

Write each percent as a decimal and a fraction in simplest form.

Example: 34.2%

10)

86%

11) 112%

12) 0.4%

$$\underbrace{34.2}_{\text{move decimal 2 places left}} = \boxed{0.342}$$

$$\frac{34.2}{100} = \frac{342 \div 2}{1000 \div 2}$$

$$\boxed{\frac{171}{500}}$$

Order the following sets of rational numbers from least to greatest. (Hint: change all numbers to the same form, then compare! Decimals and percents will most likely be easiest!)

13) $\frac{3}{4}$, 0.695, 62%, 0.7, $\frac{3}{5}$

14) 0.3, $\frac{1}{5}$, 5%, $\frac{1}{6}$, 0.8%