

5.1 Introduction To Decimals

* Place Value of a Digit in a Decimal Number

_____ . _____

* Writing a Decimal in Words

Ex 1. Write each decimal in words.

a. 0.06 _____

b. -200.073 _____

c. 0.0829 _____

d. 87.31 _____

e. 52.1085 _____

* Writing a Decimal Number in Standard Form

Ex 2. Write each decimal number in standard form.

a. Five hundred and ninety-six hundredths _____

b. Thirty-nine and forty-two thousandths _____

c. Twenty-one and nine hundred three ten-thousandths _____

* Writing a Decimal Number as Fraction

Ex 3. Write each decimal number as fraction or mixed number. Write the answer in simplest form.

a. 0.051 _____

b. 29.97

c. 0.12

d. 64.8

e. -209.986

*** Comparing Decimals Number**

Ex 4. Insert $<$, $>$, $=$ to form a true statement.

a. 26.208 _____ 26.28

b. 0.12 _____ 0.026

c. -0.039 _____ -0.0309

d. 21.357 _____ 21.3570

*** Rounding a Decimal Number**

Ex 5. Round 482.7817 to the nearest thousandth.

Ex 6. Round -0.032 to the nearest hundredth.

Ex 7. Round $\pi \approx 3.14159265\dots$ to the nearest ten-thousandth.

Ex 8. Water bills in Mexia are always rounded to the nearest dollar. Round a water bill of \$24.62 to the nearest dollar.