

Name: Key

5th Grade Notes 1.3-4 Represent Decimals & Fractions p. 17, 29

thousands
hundred
tens
ones
tenths
hundredths
thousandths

4,321.234

To read a decimal:

1. read the whole

number normally

2. say "and" for the dec. point,

3. read the number after the

decimal point

normally and say the last

place value name (to the right)

Ex: 21.29: ^{whole #} twenty-one ^{dec.pt.} and ^{decimal} twenty-nine
_{last place value}
hundredths

Ex: 3.004: three and four thousandths

**Any zeros before or after the decimals don't matter. Only zeros in

between the decimal point and number matter.

Decimals to Fractions:

The denominator will be the last place value on the right.

The numerator is the decimal.

Ex: .056 = $\frac{56 \div 2}{1,000 \div 2} = \frac{28 \div 2}{500 \div 2} = \frac{14 \div 2}{250 \div 2} = \frac{7}{125}$
thousandths
(reduce if you can)

$$\text{Ex: } .58 = \frac{58 \div 2}{100 \div 2} = \frac{29}{50}$$

Fractions to Decimals:

The num. is the decimal.

The den. is the last place value.

$$\text{Ex: } \frac{35}{100} = .35 \text{ hundredths}$$

Ex: $\frac{95}{1,000} = .95$ No! 5 is in the hundredths, so add a zero between the decimal point and the number. This will move it to the thousandths.

$$\frac{95}{1,000} = .095 \text{ thousandths}$$

HW p. 33 #1-14 on the hw sheet