Study the following words.

place (**playss**) - a particular area or location (We lived in several places when we were children.)

value (**val**-yoo) - what something is worth. (What is the value of this radio?)

place value- The value of a position of a digit in a number. (The place value of the 5 in 52, is 10.)

decimal point- a period used in a number to show that all the digits to the right have a value less than 1. (The decimal point in the number 3.4 shows that the 4 represents a value of less that one.)

decimal (**dess**-uh-muhl) - a number written with a decimal point. It is really a fraction, or a fraction and a whole number, written with a decimal point.

tenths place (**tenths**) - The position to the right of the decimal point. It means a digit in this place is worth one tenth of the digit. (In the number .456, the 4 is in the tenths place and it has a value of $1/10 \times 4$ or $4/10$ (four tenths).)

hundredths place (**huhn**-dredths)- The position of the second number to the right of the decimal. It means a digit in this place is worth one hundredth of the digit. (In the number .456, the 5 is in the hundredths place and it has a value of $1/100 \times 5$ or $5/100$ (five hundredths).)

thousandths place (**thou**-zuhndth) - The position of the third number to the right of the decimal. It means a digit in this place is worth one thousandth of the digit.   (In the number .456, the 6 is in the thousandths place and it has a value of $1/1000 \times 6$ or $6/1000$ (six thousandths).)

Say each word out loud and write it in the blank.

 place_____
value_____
decimal_____
tenths_____
hundredths_____
thousandths_____

Study the following.

Take the number .456

Decimal	Tenths place	Hundredths place	Thousandths place
.	4	5	6
	The 4 is worth 1/10 times 4 or 4/10 (four tenths)	The 5 is worth 1/100 times 5 or 5/100 (five hundredths)	The 6 is worth 1/1000 times 6 or 6/1000 (six thousandths)

Write each definition in your own words.

place

value

place value

decimal point

decimal

tenths place

hundredths place

thousandths place

Write two sentences using each word.
place
1.

2.

value
1.

2.

place value
1.

2.

decimal point
1.

2.

decimal
1.

2.

Write 5 decimals and circle the decimal point.

Write 5 decimals for each and circle the number that is in that place.

tenths place-

hundredths place-

thousandths place-

Matching.

place

                                   the value of a position of a digit in a number

value

                                   one digit to the right of the decimal point

place value

                                   a location

decimal point

                                   two digits to the right of the decimal point

decimal

                                   what something is worth

tenths place

                                   three places to the right if the decimal point

hundredths place

                                   a number written with a decimal point

thousandths place

                                   a period used in a number to show that all the digits to the right have a value less than 1

What place is the 3 in?

1.   18.13 _____
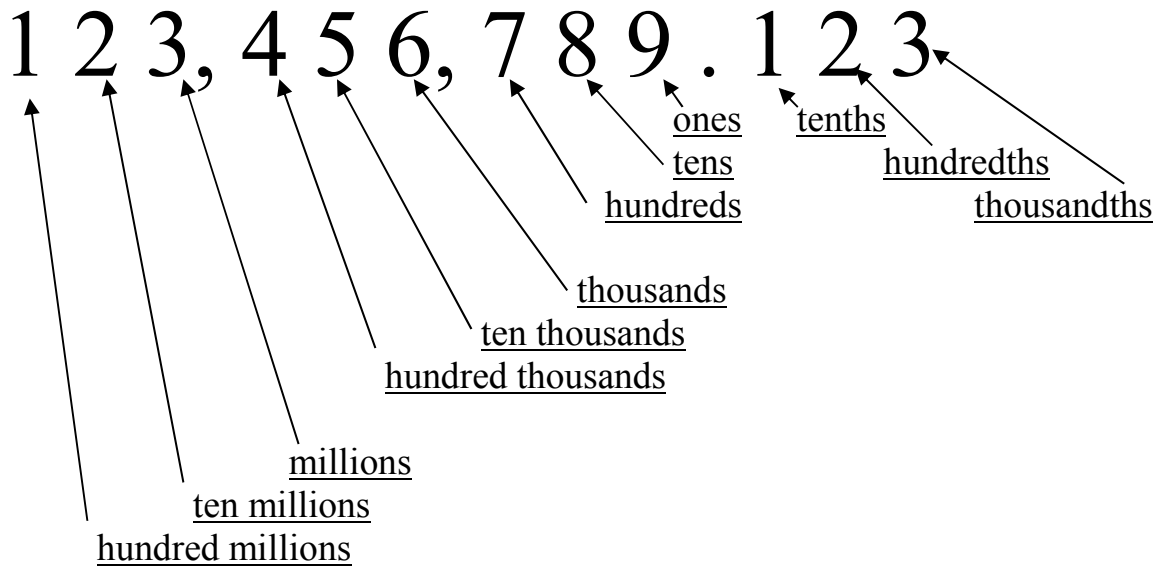
2.   2.023 _____

3.   5.301 _____

What place is the 5 in?

4.   6.514 _____

5.   62.057 _____

6.   8.115 _____

Review of place values.

1 2 3, 4 5 6, 7 8 9 . 1 2 3

- ones
- tens
- hundreds
- thousands
- ten thousands
- hundred thousands
- millions
- ten millions
- hundred millions
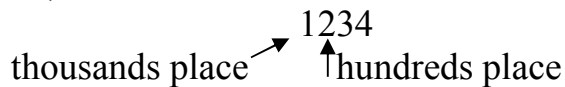- tenths
- hundredths
- thousandths
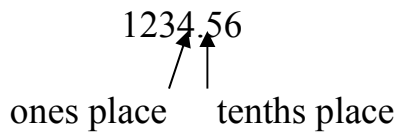
Study the following.

There is no "oneths" place.

Each place value to the right of a number is the place value of the number divided by 10.

For example the thousands place divided by 10 is the hundreds place. (100 ÷ 10 = 10)

1234

thousands place ⟋ ↑hundreds place

The ones place divided by ten is the tenths place. (1 ÷ 10 = 1/10) This is why there is no "oneths" place.

1234.56

ones place   tenths place

Label all the place values for this number.

1 2 3, 4 5 6, 7 8 9 . 1 2 3

_____

_____

_____

_____

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