Study the following words.

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

value (**val**-yoo) - 1. What something is worth. (What is the value of this radio?)

      2. In math, a given or calculated number or quantity. (The value of y is given as 3.)(Find the value of x if x = 2 + 3)

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

ones place (**wuhnz**) - The farthest place to the right, in a whole number. It means a digit in this place is worth one times the digit. (In the number 254, the 4 is in the ones place and it has a value of 1 × 4 or 4.)

tens place (**tenz**) - One place over towards the left, in a whole number. It means a digit in this place is worth ten times the digit. (In the number 254, the 5 is in the tens place and it has a value of 10 × 5 or 50.)

hundreds place (**huhn**-druhdz)- Two places over towards the left, in a whole number. It means a digit in this place is worth one hundred times the digit. (In the number 254, the 2 is in the hundreds place and it has a value of 100 × 2 or 200.)

unit (**yoo**-nit) – the number one. (The smallest counting number is a unit.)(I added two units together to get 2.)(I wrote two units next to each other to make the number eleven.)

units place (**yoo**-nitz) – the ones place

Say each word out loud and write it in the blank.
place_____
value_____
ones_____
tens_____
hundreds_____
unit_____

Write each definition in your own words.

place

value

place value

ones place

tens place

hundreds place

unit

units place

Study the following.

Take the number 254.

Hundreds place	Tens place	Units or ones place
2	5	4
The 2 is worth 2 times 100 or 200	The 5 is worth 5 times 10 or 50	The 4 is worth 4 times 1 or 4

So for the number 254 we have 200 and 50 and 4 or **200 + 50 + 4**

Write two sentences using each word.
place
1.

2.

value
1.

2.

place value
1.

2.

unit
1.

2.

Write 5 numbers bigger than 100 for each, and circle the number that is in that place.
ones place-

tens place-

hundreds place-

Fill in the blank.

The units place is the same as the _____ place.

Matching.

place   the value of a position of a digit in a
                                         number

value   the farthest digit to the right

                                         a location
place value

                                         one place over to the left in a whole
ones place   number

unit   what something is worth

units place   two places over to the left in a whole
                                         number

tens place   another name for the ones place

hundreds place   the number one

Circle the digits in the units place.

42   571   8247   52   3   81   95556   4712

Circle the digits in the tens place.

34   571   8217   52   17   81   23556   4757

Circle the digits in the hundreds place.

142   271   7237   481   15456   4712   6875

What is the place value of the circled number?

24⑤7_____   ⑧74_____55⑧_____

59①4_____5②22_____④8_____

1④_____   85⑨96_____5523⑦_____

24⑦_____   ⑤8_____11①23_____

What is the value, or what is the circled digit worth based on the digit, and the place value?

2 4 5   4 × 10 = 40

3 2 7   ____ × ____ = _____

4 5 1   ____ × ____ = _____

8 8 7   ____ × ____ = _____

1 2 9   ____ × ____ = _____

7 2   ____ × ____ = _____

4 0 9   ____ × ____ = _____

1 8 6 6   ____ × ____ = _____

4 8 3 9   ____ × ____ = _____

1 0 6 8   ____ × ____ = _____

2 0 3   ____ × ____ = _____

Write the following numbers as separate hundreds, tens, and ones.

Example: 468 = 400 + 60 + 8

1.   621

2.   25

3.   122

4.   604

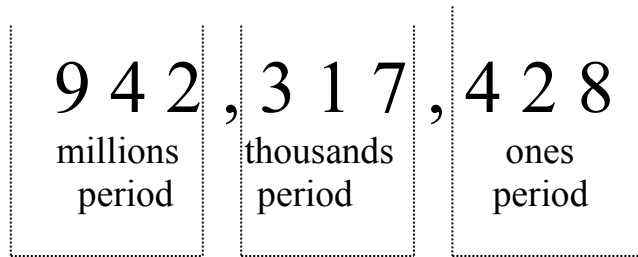5.   592

6.   41

7.   8

8.   59

9.   863

10.   274

Study the following definitions.

period (**pihr**-ee-uhd) - 1. A mark at the end of a sentence, showing the
sentence has ended.

    2. a length of time (He walked around outside for a short period.)

    3. in math, a group of three places of digits. Periods are usually seperated
by commas. Some periods are shown as follows. The name of the period
comes from the right most place value in that period. (The number
contained three periods.)

$$9\ 4\ 2\ ,\ 3\ 1\ 7\ ,\ 4\ 2\ 8$$

millions period	thousands period	ones period

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

period_____

thousands (**thou**-zuhnds) _____

millions (**mil**-yuhns) _____

Write each definition in your own words.

Period (definition 1.)

Period (definition 2.)

Period (definition 3.)

Write two sentences for each definition of period.

period (definition 1.)
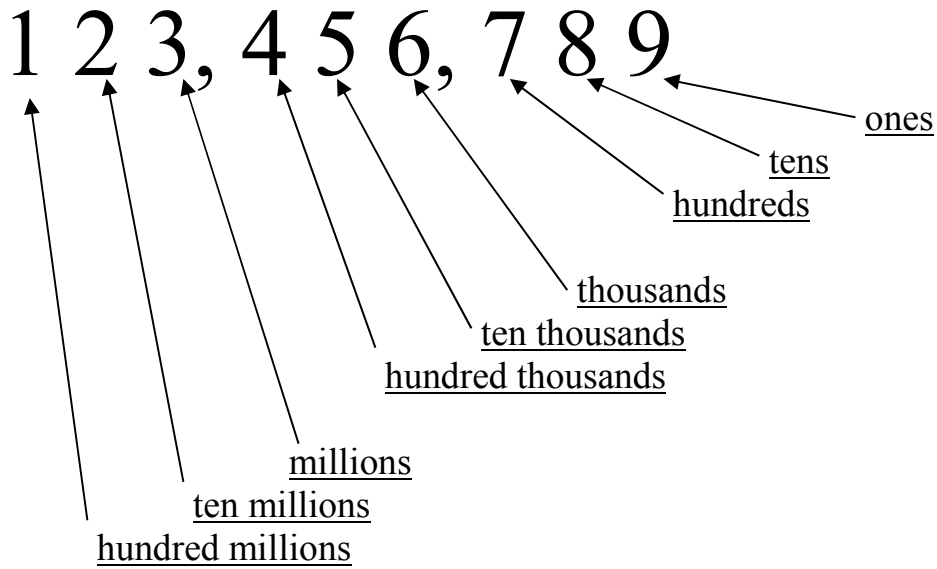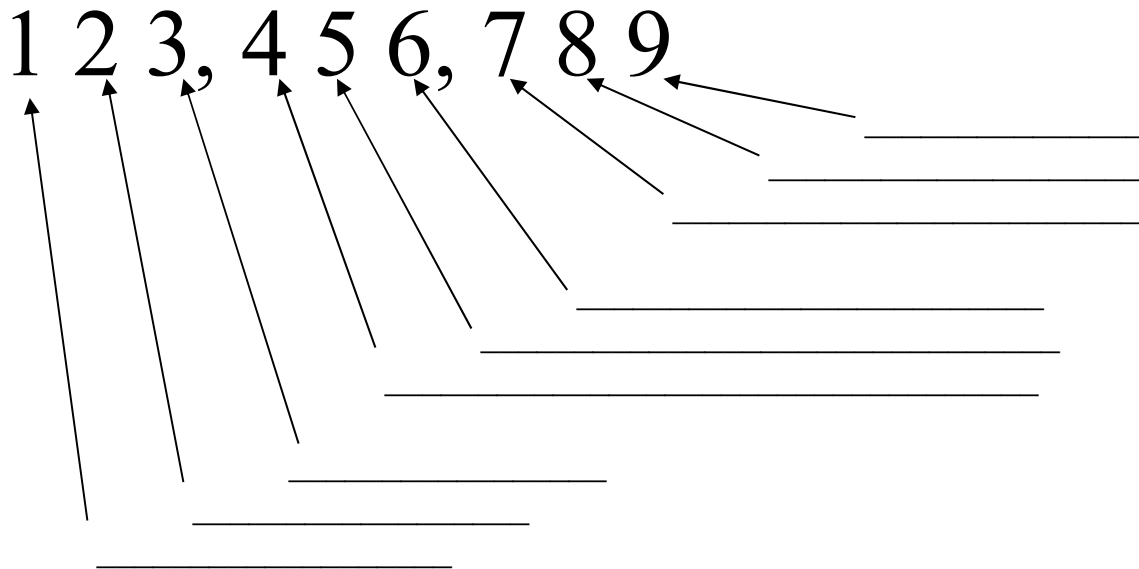1.

2.

period (definition 2.)
1.

2.

period (definition 3.)
1.

2.

Study the place values of the following.

1 2 3, 4 5 6, 7 8 9

ones

tens

hundreds

thousands

ten thousands

hundred thousands

millions

ten millions

hundred millions

Label all the place values for this number.

1 2 3, 4 5 6, 7 8 9

_____

_____

_____

_____

_____

_____

_____

_____

_____

Write a nine digit number, and label each of the periods.

Write another 9 digit number, and label the place values.

Study how to write out or say a large number.

123,456,789

You say the above number as follows.

One hundred twenty-three million,
four hundred fifty-six thousand,
seven hundred eighty-nine.

Notice how you group the periods together when you write out the number.

One hundred twenty-three million, ←—millions period
four hundred fifty-six thousand, ←—— thousands period
seven hundred eighty-nine. ←———— ones period

Write this number out in words, the way you would say it.

623,419,775

Write a 9 digit number and <u>label the periods</u>, <u>label the place values</u>, and <u>write it out in words</u>.

Study the periods of the following.

548, 659, 213, 245, 874 ,112

quadrillions trillions billions
period   period   period

Say the words out loud and write them in the blank.

billion (**bil**-yuhn) _____

trillion (**tril**-yuhn) _____

quadrillion (kwahd-**dril**-yuhn) _____

Study the place values of the following.

1 2 3, 4 5 6, 7 89,543,784,123

billions

ten billions

hundred billions

trillions

ten trillions

hundred trillions

quadrillions

ten quadrillions

hundred quadrillions

Label all the place values for this number.

1 2 3, 4 5 6, 7 89,555,666,111

_____

_____

_____

_____

_____

_____

_____

_____

_____

Write an 18 digit number, and label each of the periods.

Write another 18 digit number, and label the place values.

Write these numbers out in words, the way you would say them.

124,540,678,227,203,114

889,561,217,580,540,112