

**Study the following.**

“ths”- the ending when you say or write a decimal. (.3 is three tenths) (.55 is fifty-five hundredths)

“th”- the ending when you write a decimal with the digit 1 or 1 and zeros in front of it. (.1 is one tenth) (.001 is one hundredth)

and- and is what you say when you read the decimal point in a decimal that is partly a whole number. (4.5 is four and five tenths)

**Write the following in words.**

1. .1
2. .01
3. .001
4. .2
5. .04
6. .008
7. 2.3
8. 5.6
9. 9.08
10. 4.002

**Change the words to decimals.**

1. Four and three tenths. \_\_\_\_\_
2. Seven and five hundredths \_\_\_\_\_
3. Six and one thousandth \_\_\_\_\_

**Study the following.**

For larger numbers,

1. say the part before the decimal point as you would normally.
2. Then say “and” for the decimal point.
3. Then say the number to the right of the decimal as if it was a whole number.
4. Then say the place value of the right-most digit.

Example: 361.42

- Say:
1. Three hundred sixty-one
  2. and
  3. forty-two
  4. hundredths

Example 2: 7,312.903

- Say:
1. Seven thousand three hundred twelve
  2. and
  3. nine hundred three
  4. thousandths

**Write the following in words.**

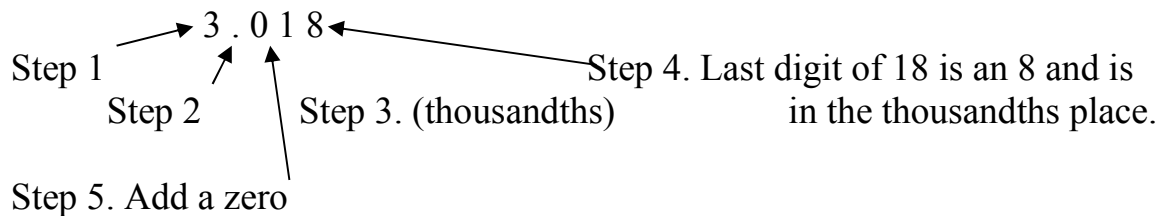
1. 72.34
2. 83.067
3. 1.55
4. 324.4
5. 948.332
6. 3.94
7. 100.55
8. 4,264.43

**Study the following.**

To change a decimal that is written in words, into a decimal written in digits, do the following.

1. Write the whole number part that is written before the word “and”
2. Write a decimal point for the word “and”
3. Read the place value of the decimal part
4. Write the decimal part of the number so the last digit ends up on that place value from 3. above.
5. Add zeros to the right of the decimal point if needed to fill in the places.

Example: Three and eighteen thousandths.

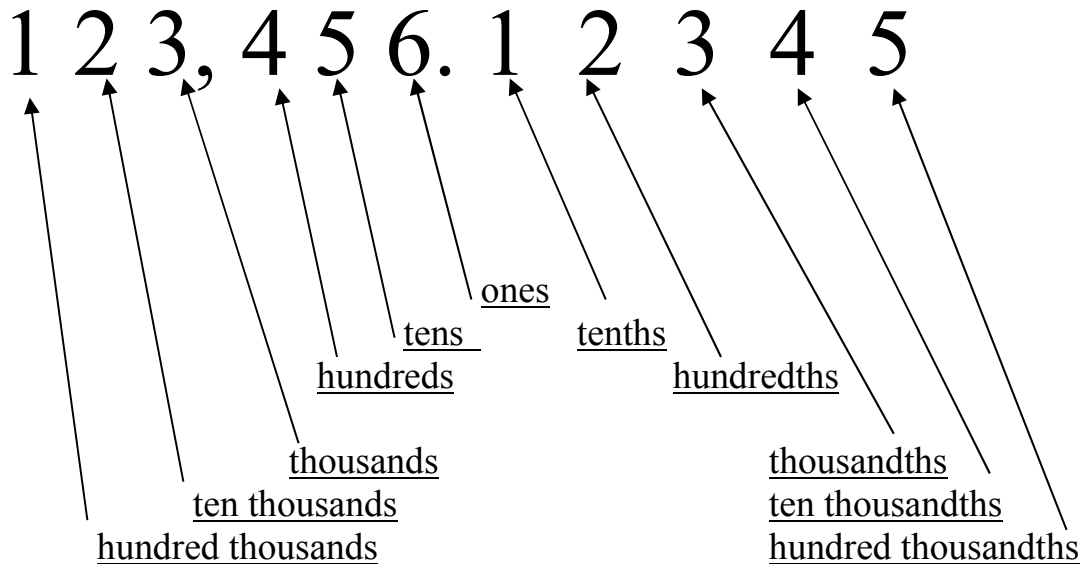


**Write the following as decimals.**

1. Seven and twenty-five hundredths. \_\_\_\_\_
2. One and one tenth. \_\_\_\_\_
3. Eleven and seventeen hundredths. \_\_\_\_\_
4. Three and forty-three thousandths. \_\_\_\_\_
5. Four hundred twenty-six and three hundred sixteen thousandths. \_\_\_\_\_
6. Twelve and sixteen thousandths \_\_\_\_\_
7. Eight and eight hundredths \_\_\_\_\_
8. Eight hundred and four tenths. \_\_\_\_\_

**Study the following.**

Places beyond the thousandths place to the right are named the same as whole numbers to the left, plus a “th” or “ths”.



**What place is the 8 in?**

1. 24.30085 \_\_\_\_\_
2. 4.55228 \_\_\_\_\_
3. 600.08 \_\_\_\_\_

**What place is the 6 in?**

1. 444.7006 \_\_\_\_\_
2. 8321.12456 \_\_\_\_\_
3. 7.0006 \_\_\_\_\_