

READING AND WRITING DECIMAL NUMBERS

Consider the number 712,349.85

Fill it in to the boxes below, and you will be able to identify which part of the number is being referred to.

Hundred thousands	Ten thousands	Thousands	Tens	Ones	Decimal point	Tenths	Hundredths	Thousands	Ten Thousandths	Hundred thousandths
					.					

This would be spoken as "7 hundred 12 thousand 3 hundred 49 and 85 hundredths"

NOTICE the word "and" is read at the decimal point. It connects the whole number with the fraction part. **DO NOT SAY "AND" at any other part of the number.**

We read $\frac{7}{1000}$ as "Seven thousandths."

Similarly, 0.007 or .007 is read "seven thousandths." (We do not need to say "Zero and $\frac{7}{1000}$.")

Write in words the way you read each number:

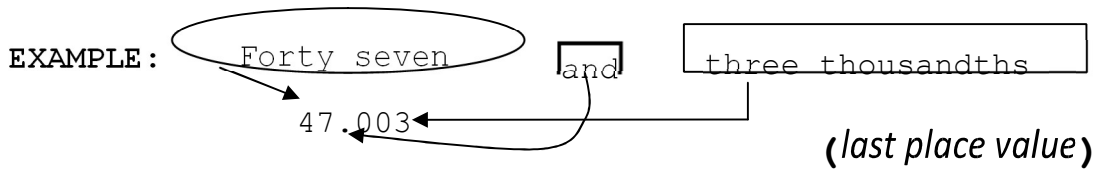
1. 103.052
2. 0.94
3. 9.4
4. 60.06

When numbers are written as words you can write them in standard form. REMEMBER if there is not an "AND", the number is either a whole number or it is a fraction. If it's a fraction the denominator will end in "TH". Whole numbers are written without a decimal point or with the decimal point at the end. Fractions are written after the decimal point. The numerator is placed so that the last digit is in the place value named by the denominator (the "TH" word). If there are not enough numbers in the numerator to place above all the needed place values, fill in zeros immediately after the decimal point. Zero is usually written before the decimal point, too if the value is less than one!

EXAMPLES:

- a. thirty-eight 38.0 or 38
 - b. seven hundredths 0.07
 - c. six hundred four thousandths 0.604
 - d. seventy hundredths 0.70
- (Compare b and d)

When there is an "AND", write the whole number (using the words before "and"); write the fraction's numerator so that its last digit is in the place named by the denominator.



5 - 8 Write these numbers in standard form.

- 5. fifty-four ten thousandths _____
- 6. three and twelve hundredths _____
- 7. eight tenths _____
- 8. seven hundred and seven hundredths _____

ANSWERS:

- 1. one hundred three and fifty-two thousandths
- 2. ninety-four hundredths
- 3. nine and four tenths
- 4. sixty and six hundredths
- 5. 0.0054
- 6. 3.12
- 7. 0.8
- 8. 700.07