Reading and Writing Decimal Numbers

Reading and writing decimal numbers can be difficult. But we can make it easy!

Just follow the examples!

First – an integer is a whole number. 1, 2, 3 etc. are called **units.**

When we read the number and say, "and" we use the last decimal column name.

unit	Decimal point	Tenth	Hundredth	Thousandth
7	.	1	3	

Example: 7.13 = Seven units and thirteen hundredths
(the 3 is the last number and is in the hundredths column)

unit	Decimal point	Tenth	Hundredth	Thousandth
0	.	8	4	5

Example: 0.845 = eight hundred and forty-five thousandths
(the 5 is the last number and is in the hundredths column)

unit	Decimal point	Tenth	Hundredth	Thousandth
20	.	1		

Example: 20.1 = Twenty units and one tenth (because the 1 in in the tenth column)

unit	Decimal point	Tenth	Hundredth	Thousandth
201	.	1	3	

Example: 201.13 = two hundred and one, and thirteen hundredths
(the 5 is the last number and is in the hundredths column)

Don't be afraid of decimals – practice makes them easy!

Just remember
Read the number after the decimal point - 0.899 = eight hundred and ninety-nine
Say the place value of the last digit
0.899 = eight hundred and ninety-nine thousandths

How do we say these numbers?

Unit	Decimal point	Tenth	Hundredth	Thousandth
0	.	3	5	5

We can say this as:
"Point three five five" or "Three hundred and fifty-five thousandths"

Unit	Decimal point	Tenth	Hundredth	Thousandth
20	.	3	5	5

We can say this as:
"Twenty point three five five" or "Twenty units and three hundred and fifty-five thousandths"

unit	Decimal point	Tenth	Hundredth	Thousandth
100	.	6	5	

We can say this as:
"One hundred point six five" or "One hundred units and sixty-five hundredths"

Unit	Decimal point	Tenth	Hundredth	Thousandth
12	.	7		

We can say this as:
"Twelve point seven" or "Twelve units and seven tenths"

How would you say these numbers using "and"?

201.763	=	Two hundred and one units, and seven hundred and sixty-three thousandths.
0.001	=	One thousandth.
1.009	=	One unit and nine thousandths.
37.23	=	Thirty-seven units and twenty-three hundredths.
9.087	=	Nine units and eighty-seven thousandths

COMPLETE THE WORKSHEET ON THE NEXT PAGE.

Write whole numbers as 'units' e.g., 100 = one hundred units
Write decimals in long-form, e.g., 0.12 – twelve hundredths
Write tens and ones as tens-ones e.g., 96 = ninety-six

Standard form (digits)	Word form
123.456	One hundred and twenty-three units, and four hundred and fifty-six thousandths.
12.98	
	Two hundred and two units, and two tenths
0.98	
	Three tenths
0.67	
	One thousand units and one thousandth
102.908	
	Seventy-eight units and nine tenths
99.09	
	Forty-six units and three thousandths
0.987	
	One hundred and two units and twelve thousandths