

Understanding Decimals

To read a decimal, do the following:

- Step 1: Read the whole number before the decimal point
- Step 2: Say “**and**” to represent the decimal point
- Step 3: Read the decimal part of the number
- Step 4: Name the place value of the last digit

Thousand	Hundred	Ten	One	<u>AND</u>	Tenths	Hundredths	Thousandths	Ten- Thousandths	Hundred- Thousandths
		2	7	.	5	3	4	8	
			8	.	0	0	5		

To write the number in expanded form:

$$27.5348 = \underline{20 + 7 + .5 + .03 + .004 + .0008}$$

$$8.05 = \underline{8 + .0 + .05}$$

$$28.0109 = \underline{\hspace{10em}}$$

$$.156 = \underline{\hspace{10em}}$$

$$1.089 = \underline{\hspace{10em}}$$

Write the value of each digit in **short word** form: 12.4598

4: _____ 9: _____

2: _____ 8: _____

5: _____ 1: _____