

## 3-1: Place Value &amp; Rounding

Decimals &amp; Place Value:

Decimals and Place Value

<i>ten thousands</i>	<i>thousands</i>	<i>hundreds</i>	<i>tens</i>	<i>ones</i>	<i>(and)</i>	<i>tenths</i>	<i>hundredths</i>	<i>thousandths</i>	<i>ten-thousandths</i>
			2	2	●	5			
			2	2	●	0	5		
					●				

Ex. 1    **2.458**

Thousandths

Ex. 2    **632.3447**

Tens

Ex. 3    **515.47**

Tenths

Rounding:

Step 1: Underline the place value that you want to round.

Step 2: Circle the number to the right of that.

Step 3: If the circled number is 5 or bigger, add 1 to the underlined number.

If the circled number is smaller than 5, the underlined number stays the same.

Step 4: Then change everything after the underlined number to zeros.

The zeros at the end will all be cut off.

Ex. 1    **24.8 (nearest one)**

25

Ex. 2    **5.387 (nearest hundredth)**

5.39