10-8-15

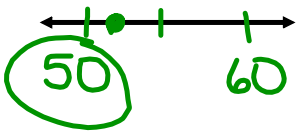
Aim: SWBAT review place value and round decimals numbers.

Do Now: WS

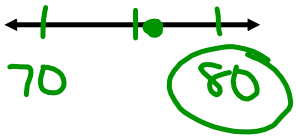
HW: Worksheet

Round to the nearest tens place.

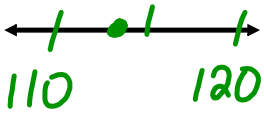
52 → 50



76 → 80

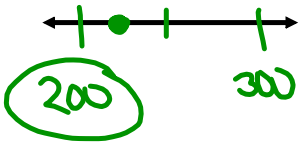


113 → 110

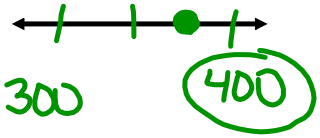


Round to the nearest hundreds place.

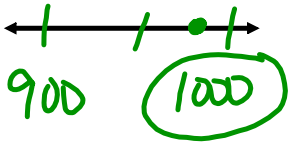
226 → 200



375 → 400



983 → 1000



	,				,				,				.						
Billions		Hundred Millions	Ten Millions	Millions		Hundred Thousands	Ten Thousands	Thousands		Hundreds	Tens	Ones		Tenths	Hundredths	Thousandths	Ten Thousandths	Hundred Thousandths	Millionths

- There is no such thing as a "oneths" place!!!!
- Commas only exist on the left side (whole numbers side) of the decimal point.
- Commas are inserted every three numbers from right to left.
- Adding zeroes behind the last decimal digit does not change the number's value.

	,				,				,				.						
Billions		Hundred Millions	Ten Millions	Millions		Hundred Thousands	Ten Thousands	Thousands		Hundreds	Tens	Ones		Tenths $\frac{1}{10}$	Hundredths $\frac{1}{100}$	Thousandths $\frac{1}{1,000}$	Ten Thousandths $\frac{1}{10,000}$	Hundred Thousandths $\frac{1}{100,000}$	Millionths $\frac{1}{1,000,000}$

Rounding: reducing the digits in a number while trying to keep its value similar.

- the result is less accurate, but easier to understand

Rounding UP: Increasing a specific digit by 1.

- when the digit to the right of the place you are rounding to is 5 or higher.

Rounding DOWN: Keeping a specific digit the same.

- when the digit to the right of the place you are rounding to is 4 or lower.

Name _____ Date ____

Rounding

Period ___

Round each of the following to the specified place.

1. 12.3756 Nearest Whole: 12.
   12.3756 Tenths: 12.4
   12.3756 Hundredths: 12.38
   12.3756 Thousandths: 12.376

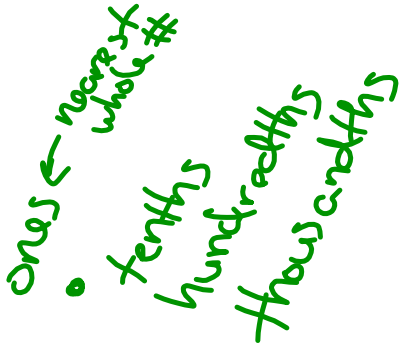
2. 29.9999 Nearest Whole: 30
   29.9999 Tenths: 30.0
   29.9999 Hundredths: 30.00
   29.9999 Thousandths: 30.000

3. 140.1893 Nearest Whole: _____
   140.1893 Tenths: _____
   140.1893 Hundredths: _____
   140.1893 Thousandths: _____

4. 5.8989 Nearest Whole: _____
   5.8989 Tenths: _____
   5.8989 Hundredths: _____
   5.8989 Thousandths: _____

5. 70.1256 Nearest Whole: _____
   70.1256 Tenths: _____
   70.1256 Hundredths: _____
   70.1256 Thousandths: _____

6. 0.9027 Nearest Whole: _____
   0.9027 Tenths: _____
   0.9027 Hundredths: _____
   0.9027 Thousandths: _____

7. 10.0005 Nearest Whole: _____
   10.0005 Tenths: _____
   10.0005 Hundredths: _____
   10.0005 Thousandths: _____

8. 36.9009 Nearest Whole: _____
   36.9009 Tenths: _____
   36.9009 Hundredths: _____
   36.9009 Thousandths: _____