

W-MF Math Fundamentals 10/6

23,  $\downarrow$   $\downarrow$  769,814

7 - hundred thousands

9 - thousands

8 - hundreds

2 - ten millions

4 - ones

6 - ten thousands

✓ ✓  
23, 769, 814

written form

twenty three million, seven hundred sixty-nine thousand eight hundred fourteen

expanded

$$20,000,000 + 3,000,000 + 700,000 + 60,000 + \\ 9,000 + 800 + 10 + 4$$

4. 20358

ones      tenths      hundredths      thousandths      ten thousandths      hundred thousandths

four and twenty thousand three hundred fifty eight  
hundred thousandths

Expanded form

$$4 + \frac{2}{10} + \cancel{\frac{0}{100}} + \frac{3}{1,000} + \frac{5}{10,000} + \frac{8}{100,000}$$

1.)  $\underline{3.00}\textcircled{8}$

three and eight thousandths

2.) 5.027

five and twenty-seven thousandths

3.) 7.34

seven and thirty-four  
hundredths

$\frac{1,087}{10,000}$

4.)  $\underline{9.1087}$

nine and one thousand  
eighty-seven ten thousandths

5.) 2.09

two and nine hundredths

6.) 6.0342

six and three hundred  
forty-two ten thousandths

$\frac{1,000}{1000} = 1$

## Comparing Decimals

$$\begin{array}{r} \downarrow \quad \downarrow \\ 6. \underline{8}1 > 6.37 \end{array}$$

*zanz*  
00  
|  
|

$$6.32 < 6.50$$

$$\begin{array}{r} \downarrow \quad \downarrow \\ 2.216 > 2.149 \end{array}$$

$$5.75 = 5.750$$

$$1.) 6.48 < 6.99$$

$$4.) 6.81 > 6.1$$

$$2.) 2.59 < 2.684$$

$$5.) 4.2 = 4.2$$

$$3.) 8.538 > 8.122$$

$$6.) \begin{array}{r} \downarrow \quad \downarrow \\ 7.0 < 7.085 \\ \downarrow \quad \downarrow \\ 7.000 \end{array}$$

## Inequality

> greater than

< less than  
points left

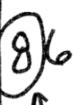
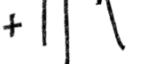
= equal

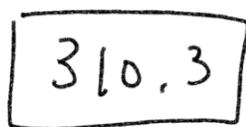
# Decimal Rounding

~~8.54~~ round to the nearest tenth  
 ↓  
 8.5 

~~8.54~~

~~99.59~~  round nearest whole number  
 ↓  
 100

310.28  round to nearest tenth  
 +1  round up      tenth

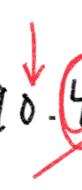


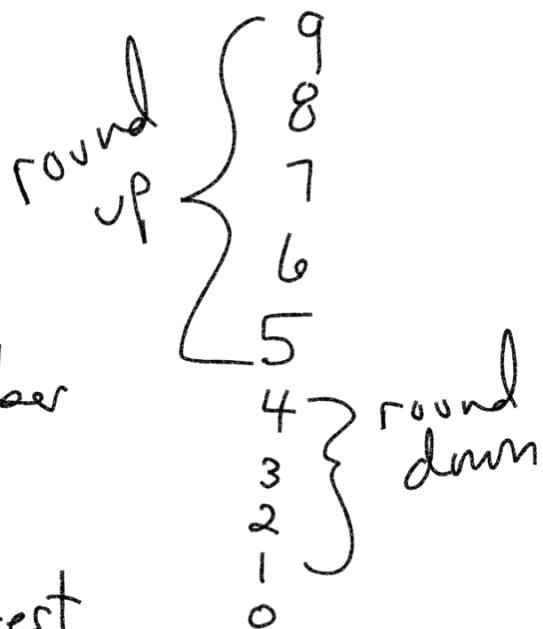
Round to nearest hundredth

1.) 6.805  6.81

2.) 9.725  9.7 tenth

3.) 815.95  tenth

4.) 90.499  90 whole number  
 ↓  
 816.0



Round to nearest

5.) 95.814  hundredth

6.) 8.9995  thousandth  
 9.000

$$\begin{array}{r} 54.70 \\ + 9.39 \\ \hline 64.09 \end{array}$$

64.09

$$\begin{array}{r} 89.401011 \\ - 26.632 \\ \hline 63.369 \end{array}$$

63.369