W-MF Math Fundamentals 10/6

23, 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

tenthousandths

hundred thousandths

four and twenty thousand three hundred fifty eight hundred thousandths

Expanded form

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

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

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

1.) 3.008

three and eight thousandths

2.) 5.027

five and twenty-seven thousandths

3.) 7.34

seven and thirty-four hundredths

4.) 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

Comparing Decimals

$6.81 > 6.37$

$6.32 < 6.50$

$2.216 > 2.149$

$5.75 = 5.750$

Inequality

$>$ greater than

$<$ less than

points left

$=$ equal

1.) $6.48 < 6.99$

2.) $2.59 < 2.684$

3.) $8.538 > 8.122$

4.) $6.81 > 6.1$

5.) $4.2 = 4.2$

6.) $7.0 < 7.085$

7.000

Decimal Rounding

8.54 round to the nearest tenth

8.5

8.5~~4~~

99.59 round nearest whole number

round up

100

310.286 round to nearest tenth

+1 round up

310.3

round up: 9, 8, 7, 6, 5

round down: 4, 3, 2, 1, 0

1.) 6.805 Round to nearest hundredth 6.81

2.) 9.725 tenth 9.7

3.) 815.95 tenth 816.0

4.) 90.499 whole number 90

5.) 95.814 Round to nearest hundredth 95.81

6.) 8.9995 thousandth 9.000

$$
\begin{array}{r}
{\scriptstyle 1}\,{\scriptstyle 1} \\
54.70 \\
+\ \ 9.39 \\
\hline
64.09
\end{array}
$$

$$\boxed{64.09}$$

$$
\begin{array}{r}
{\scriptstyle 9}\quad{\scriptstyle 9} \\
89.\cancel{10}\cancel{10}\boxed{11} \\
-\ 26.632 \\
\hline
63.369
\end{array}
$$

$$\boxed{63.369}$$