

10-20-17

Aim: SWBAT add and subtract decimals with negatives.

HW: Textbook Pg. 262 # 2 - 16

Quiz Tuesday (rounding, add and subtract)

Do Now: Round

271.5988 to the nearest whole number

272

271.5988 to the tenths place

271.6

271.5988 to the hundredths place

271.60 *

271.5988 to the thousandths place

271.599

Pg. 764 #1-16

$$\begin{array}{r} \textcircled{1} \quad 3.56 \\ + 2.74 \\ \hline 6.30 \end{array}$$

$\textcircled{6.3}$ ← lose the zero

$$\begin{array}{r} \textcircled{2} \quad 12.7 \\ + 93.8 \\ \hline 106.5 \end{array}$$

$\textcircled{106.5}$

$$\begin{array}{r} \textcircled{3} \quad 27.5 \\ + 3.6 \\ \hline 31.1 \end{array}$$

$\textcircled{31.1}$

$$\begin{array}{r} \textcircled{4} \quad 0.923 \\ + 0.179 \\ \hline 1.102 \end{array}$$

$\textcircled{1.102}$

$$\begin{array}{r} \textcircled{5} \quad 4.217 \\ + 6.739 \\ \hline 10.956 \end{array}$$

$\textcircled{10.956}$

$$\begin{array}{r} \textcircled{6} \quad 8.13 \\ - 2.8 \\ \hline 6.5 \end{array}$$

$\textcircled{6.5}$

$$\begin{array}{r} \textcircled{7} \quad 3.15 \\ 4.76 \\ - 1.65 \\ \hline 2.91 \end{array}$$

$\textcircled{2.91}$

$$\begin{array}{r} \textcircled{8} \quad 0.1514 \\ 7.64 \\ - 5.85 \\ \hline 7.79 \end{array}$$

$\textcircled{7.79}$

$$\begin{array}{r} \textcircled{9} \quad 2.71315 \\ 28.48 \\ - 19.57 \\ \hline 18.88 \end{array}$$

$\textcircled{18.88}$

$$\begin{array}{r} \textcircled{10} \quad 6.8161412 \\ 741.82 \\ - 48.66 \\ \hline 692.86 \end{array}$$

$\textcircled{692.86}$

$$\begin{array}{r} \textcircled{11} \quad 56.98 \\ + 0.82 \\ \hline 57.80 \end{array}$$

$\textcircled{57.8}$ ↑ lose the zero

$$\begin{array}{r} \textcircled{12} \quad 0.92131616 \\ 100.4716 \\ - 4.989 \\ \hline 95.487 \end{array}$$

$\textcircled{95.487}$

$$\begin{array}{r} \textcircled{13} \quad 2.1515417 \\ 2865.87 \\ - 79.38 \\ \hline 286.19 \end{array}$$

$\textcircled{286.19}$

$$\begin{array}{r} \textcircled{14} \quad 49.86 \\ + 2.65 \\ \hline 52.51 \end{array}$$

$\textcircled{52.51}$

$$\begin{array}{r} \textcircled{15} \quad 8.7015 \\ 97.196 \\ - 9.092 \\ \hline 88.064 \end{array}$$

$\textcircled{88.064}$

$$\begin{array}{r} \textcircled{16} \quad 2.111414 \\ 232.843 \\ - 209.692 \\ \hline 22.851 \end{array}$$

$\textcircled{22.851}$

Name _____

Rounding

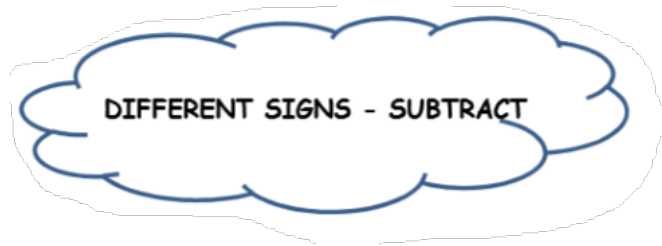
Answer ends in the place you were asked to round to.

Date _____

Period _____

Round each of the following to the specified place.

- | | |
|---|---|
| <p>1. 12.3756 Nearest Whole: <u>12</u>
 12.3756 Tenths: <u>12.4</u>
 12.3756 Hundredths: <u>12.38</u>
 12.3756 Thousandths: <u>12.376</u></p> | <p>2. 29.9999 Nearest Whole: <u>30</u>
 29.9999 Tenths: <u>30.0</u>
 29.9999 Hundredths: <u>30.00</u>
 29.9999 Thousandths: <u>30.000</u></p> |
| <p>3. 140.1893 Nearest Whole: <u>140</u>
 140.1893 Tenths: <u>140.2</u>
 140.1893 Hundredths: <u>140.19</u>
 140.1893 Thousandths: <u>140.189</u></p> | <p>4. 5.8989 Nearest Whole: <u>6</u>
 5.8989 Tenths: <u>5.9</u>
 5.8989 Hundredths: <u>5.90</u>
 5.8989 Thousandths: <u>5.899</u></p> |
| <p>5. 70.1256 Nearest Whole: <u>70</u>
 70.1256 Tenths: <u>70.1</u>
 70.1256 Hundredths: <u>70.13</u>
 70.1256 Thousandths: <u>70.126</u></p> | <p>6. 0.9027 Nearest Whole: <u>1</u>
 0.9027 Tenths: <u>0.9</u>
 0.9027 Hundredths: <u>0.90</u>
 0.9027 Thousandths: <u>0.903</u></p> |
| <p>7. 10.0005 Nearest Whole: <u>10</u>
 10.0005 Tenths: <u>10.0</u>
 10.0005 Hundredths: <u>10.00</u>
 10.0005 Thousandths: <u>10.001</u></p> | <p>8. 36.9009 Nearest Whole: <u>37</u>
 36.9009 Tenths: <u>36.9</u>
 36.9009 Hundredths: <u>36.90</u>
 36.9009 Thousandths: <u>36.901</u></p> |



Find the sum or difference.

Same Signs \rightarrow Add

$$\boxed{8.93} + \boxed{0.367} = \underline{9.297}$$

$$\begin{array}{r} 8.930 \\ + 0.367 \\ \hline 9.297 \end{array}$$

no neg.
signs \rightarrow

Same signs \rightarrow add

$$-12.5 + \boxed{-4.55} = \underline{-17.05}$$

$$\boxed{-12.5} - \boxed{4.55}$$

$$\begin{array}{r} 12.50 \\ + 4.55 \\ \hline 17.05 \end{array}$$

DRIP

Same signs \rightarrow Add

$$\boxed{-5.3} - \boxed{11.49} = \underline{-16.79}$$

$$\begin{array}{r} 05.30 \\ + 11.49 \\ \hline 16.79 \end{array}$$

$$5.376 + \boxed{-(-0.8)} = \underline{6.176}$$

$$\boxed{5.376} + \boxed{0.8}$$

$$\begin{array}{r} 5.376 \\ + 0.8 \\ \hline 6.176 \end{array}$$

SAME SIGNS - ADD

DIFFERENT SIGNS - SUBTRACT

Find the sum or difference.

Diff. signs → Subt.

$$7.624 + (-0.05) = \underline{7.574}$$

$$\boxed{7.624} - \boxed{0.05}$$

$$\begin{array}{r} \text{Bigger \#} \quad 7.624 \\ \text{Top \#} \quad - 0.050 \\ \text{Signs match,} \\ \text{sign of answer} \quad \hline 7.574 \end{array}$$

$$\boxed{-1.25} + \boxed{0.3} = \underline{-0.95}$$

$$\begin{array}{r} 0.12 \\ 1.25 \\ - 0.3 \\ \hline 0.95 \end{array}$$

$$\boxed{8.91} - \boxed{2.745} = \underline{6.165}$$

$$\begin{array}{r} \text{Bigger \#} \quad 8.910 \\ \quad \quad \quad 8.910 \\ - 2.745 \\ \hline 6.165 \end{array}$$

Diff. signs → subt.

$$\boxed{5.42} - \boxed{11.63} = \underline{-6.21}$$

$$\begin{array}{r} \text{Bigger} \\ 11.63 \\ - 5.42 \\ \hline 6.21 \end{array}$$