Adding/Subtracting Decimals.

Convert the following decimals into fractions. Make sure to reduce to the lowest terms and show all of your work.

1.   0.3

$0.3 = \dfrac{3}{10}$ A: $\dfrac{3}{10}$

2.   0.5

$0.5 = \dfrac{5}{10} = \dfrac{1}{2}$ A: $\dfrac{1}{2}$

(5)

3.   0.63

$0.63 = \dfrac{63}{100}$ A: $\dfrac{63}{100}$

4.   0.789

$0.789 = \dfrac{789}{1000}$ A: $\dfrac{789}{1000}$

5.   0.1128

$$0.1128 = \frac{1128}{10000} = \frac{141}{1250} \quad A: \frac{141}{1250}$$

(8)

Add or subtract the following decimals. Make sure to show your work, including all carrying and borrowing.

6.   0.3 + .06

$$\begin{array}{r} 0.3 \\ + 0.6 \\ \hline 0.9 \end{array} \qquad A = 0.9$$

7.   0.22 + 0.03

$$\begin{array}{r} 0.22 \\ + 0.03 \\ \hline 0.25 \end{array} \qquad A: 0.25$$

8.   0.485 + 1.259

$$\begin{array}{r} 0.485 \\ + 1.259 \\ \hline 1.744 \end{array} \qquad A: 1.744$$

9. 1.287 + 3.54

$$\begin{array}{r} 1.\overset{1}{2}87 \\ +\ 3.540 \\ \hline 4.827 \end{array}$$

A: 4.827

10. 3.812 + 5.621 + 9.2487

$$\begin{array}{r} 3.\overset{1}{8}120 \\ 5.6210 \\ +\ 9.2487 \\ \hline 18.6817 \end{array}$$

A: 18.6817

11. 0.3 – 0.06

$$\begin{array}{r} 0.\overset{2}{\cancel{3}}\overset{1}{0} \\ -\ 0.06 \\ \hline 0.24 \end{array}$$

A: 0.24

12. 1.28 – 0.84

$$
\begin{array}{r}
{}^{0}\overset{1}{\cancel{1}}.{}^{1}28 \\
-\ 0.84 \\
\hline
0.44
\end{array}
$$

A: 0.44

13. 5.684 – 3.381

$$
\begin{array}{r}
5.684 \\
-\ 3.381 \\
\hline
2.303
\end{array}
$$

A: 2.303

14. 6.947 – 3.652

$$
\begin{array}{r}
6.{}^{8}\overset{}{\cancel{9}}47 \\
-\ 3.652 \\
\hline
3.294
\end{array}
$$

A: 3.294

15. 10.384 – 8.319

$$\begin{array}{r} {}^{0}\!\!\not{1}0.3\overset{7}{\not{8}}\overset{1}{\not{4}} \\ -\ 08.319 \\ \hline 02.065 \end{array}$$

A: 2.065

When you are ready, submit your work as essay "Adding/Subtracting Decimals."