Warm Up

Copy Problem into the
Warm Up section of your binder
Solve and circle the answer

1. Look at the expression below. What is the value of the number shown below when $m = 2$?

$$5(m - 10) - 7$$

Student work:
$5(2-10)-7$
$5(-8)-7$
$-40-7$
-47

$5m -50-7$
$5m -57$
$5(2)-57$
$10-57$
-47

(A) 47   (B) -47   (C) 7   (D) -7

2. At Wharton Junior High, the cheerleaders are having a bake sale on three different days to collect money for cost of uniforms. They spent $32.93 on ingredients. The table shows how much money they earned. How much money did they make after subtracting the cost of ingredients?

Student work:
$85.50
$119.50
$+ 98.50
$303.50

$303.50
$- 32.93
$270.57

Money Raised by Wharton Junior High Cheerleaders

Day 1	Day 2	Day 3
$85.50	$119.50	$98.50

Discovery Ed Video on Decimals

Adding and Subtracting Decimals

Adding and Subtracting Decimals

Adding and Subtracting Decimals: *Things to Remember*

- Line up the ==decimals==
- Insert ==zeros== to hold any empty places
- Add like whole numbers

Example 1: Find the sum of each of the following. Show all work.

a. $5.1 + 0.7 =$ _____

$$\begin{array}{r} 5.1 \\ + 0.7 \\ \hline 5.8 \end{array}$$

b. $61.93 + 3.84 =$ _____

$$\begin{array}{r} 6\overset{1}{1}.93 \\ + 3.84 \\ \hline 65.77 \end{array}$$

c. $89.63 + 100.92 =$ _____

$$\begin{array}{r} \overset{1}{1}00.92 \\ + 89.63 \\ \hline 190.55 \end{array}$$

Your turn

d. $8.02 + 3.4 =$ 11.42

$$
\begin{array}{r}
8.02 \\
+ 3.40 \\
\hline
11.42
\end{array}
$$

e. $98.336 + 0.25 =$ 98.586

$$
\begin{array}{r}
98.336 \\
+ \quad .250 \\
\hline
98.586
\end{array}
$$

f. $0.364 + 62.34 =$ _____

$$
\begin{array}{r}
62.340 \\
+ \quad .364 \\
\hline
62.704
\end{array}
$$

Example 2: Find the difference of each of the following. Show all work.

a) 5.7 – 0.1 = _____

b) 9.6 – 2.4 = _____

c) 12.3 – 4.6 _____

$$\begin{array}{r} 5.7 \\ -0.1 \\ \hline 5.6 \end{array}$$

$$\begin{array}{r} 9.6 \\ -2.4 \\ \hline 7.2 \end{array}$$

$$\begin{array}{r} {}^{6}\;{}^{11}\;{}^{13} \\ \cancel{12.3} \\ -\;4.6 \\ \hline 7.7 \end{array}$$

Your Turn

d) $125 - 64.3 =$ _____

$$
\begin{array}{r}
\overset{0\ \ 12\ \ 4\ \ \ \ 10}{125.\cancel{0}} \\
-\ 64.3 \\
\hline
60.7
\end{array}
$$

e) $813.45 - 158.62 =$ _____

$$
\begin{array}{r}
\overset{7\ \ 10\ \ 12\ \ 14}{8\cancel{1}\cancel{3}.\cancel{4}5} \\
-158.62 \\
\hline
654.83
\end{array}
$$

f) $17.63 - 5.589 =$ _____

$$
\begin{array}{r}
\overset{5\ \ 12\ \ 10}{17.6\cancel{3}\cancel{0}} \\
-\ 5.589 \\
\hline
12.041
\end{array}
$$

Example 3: Ashley has $400. She wants to buy a TV for $245.65, a DVD player for $68.64, and a TV stand for $86.95. Determine whether or not she has enough money for these three items. Explain your solution.

$$
\begin{array}{r}
2\overset{1}{4}\overset{1}{5}.65 \\
+\ 68.64 \\
\hline
314.29
\end{array}
\qquad
\begin{array}{r}
\overset{1}{3}\overset{1}{1}\overset{1}{4}.\overset{1}{2}9 \\
+\ 86.95 \\
\hline
401.24
\end{array}
$$

$$401.24 > 400$$

Ashley does not have enough money.

Exit ticket

Find the sum of difference of each of the following

a. $1890 - 8.543 =$ _____

b. $0.023 + 6.098 =$ _____

c. $916.88 - 23.894 =$ _____

Homework: