NAME _____ DATE _____ PERIOD _____

3-5 Study Guide and Intervention

Class Notes

Adding and Subtracting Decimals

Lesson 3-5

To add or subtract decimals, line up the decimal points then add or subtract digits in the same place-value position. Estimate first so you know if your answer is reasonable.

EXAMPLE 1 **Find the sum of 61.32 + 8.26.**

First, estimate the sum using front-end estimation.

61.32 + 8.26 → 61 + 8 = 69

$$\begin{array}{r} 61.32 \\ +\ 8.26 \\ \hline 69.58 \end{array}$$

Since the estimate is close, the answer is reasonable.

EXAMPLE 2 **Find 2.65 − 0.2.**

Estimate: 2.65 − 0.2 → 3 − 0 = 3

$$\begin{array}{r} 2.65 \\ -\ 0.20 \\ \hline 2.45 \end{array}$$

Annex a zero.

Since the estimate is close, the answer is reasonable.

EXERCISES

Add or subtract.

1. $\begin{array}{r} 2.3 \\ +\ 4.1 \\ \hline \end{array}$

2. $\begin{array}{r} \$13.67 \\ -\ 7.19 \\ \hline \end{array}$

3. $\begin{array}{r} 0.0123 \\ -\ 0.0028 \\ \hline \end{array}$

4. $\begin{array}{r} 132.346 \\ +\ 0.486 \\ \hline \end{array}$

5. $\begin{array}{r} 113.7999 \\ +\ 6.2001 \\ \hline \end{array}$

6. $\begin{array}{r} 0.0058 \\ -\ 0.0026 \\ \hline \end{array}$

7. $\begin{array}{r} \$5.63 \\ +\ 4.10 \\ \hline \end{array}$

8. $\begin{array}{r} 5.00921 \\ -4.00013 \\ \hline \end{array}$

9. 0.2 + 5.64 + 9.005

10. 12.36 − 4.081

11. 216.8 − 34.055

12. 4.62+ 3.415 + 2.4