

## **Reteaching 3-1 Rounding and Estimating**

Estimate  $\$3.85 + \$2.79 + \$3.06$  by three methods.

Round all numbers to the same place value.

$$\begin{array}{r} \text{Estimate} \\ \$3.85 \approx \$4 \\ \$2.79 \approx \$3 \\ \$3.06 \approx \$3 \\ \$10 \end{array}$$

Use front-end estimation.

$$\begin{array}{r} \$3.85 \rightarrow .9 \\ \$2.79 \rightarrow .8 \\ \$3.06 \rightarrow .1 \\ \$8 + 1.8 = \$9.80 \end{array} \quad \begin{array}{l} \text{Estimate by rounding} \end{array}$$

Use clustering.

The values cluster around  $\$3$ .  $\rightarrow 3 \cdot 3 = \$9$

**Estimate by rounding each number in an exercise to the same place value.**

1.  $5.743 \approx$  \_\_\_\_\_  
 $+ 8.216 \approx$  \_\_\_\_\_

2.  $73.85 \approx$  \_\_\_\_\_  
 $- 27.41 \approx$  \_\_\_\_\_

**Estimate using front-end estimation.**

3.  $7.532 \approx$  \_\_\_\_\_  
 $+ 4.859 \approx$  \_\_\_\_\_  
 $+ =$  \_\_\_\_\_

4.  $26.52 \approx$  \_\_\_\_\_  
 $+ 38.46 \approx$  \_\_\_\_\_  
 $+ =$  \_\_\_\_\_

5.  $11.2 \approx$  \_\_\_\_\_  
 $+ 16.7 \approx$  \_\_\_\_\_  
 $+ =$  \_\_\_\_\_

6.  $0.153 \approx$  \_\_\_\_\_  
 $+ 0.479 \approx$  \_\_\_\_\_  
 $+ =$  \_\_\_\_\_

**Estimate by clustering.**

7.  $\$9.85 + \$10.26 + \$9.07 + 11.01$  \_\_\_\_\_

8.  $\$48.02 + \$53.17 + \$46.89$  \_\_\_\_\_

9.  $121.7 + 112.6 + 130.2$  \_\_\_\_\_

10.  $6.3 + 5.9 + 8.2 + 7.1 + 7.7$  \_\_\_\_\_