

2.4 Adding and Subtracting Decimals

EQ: How can we combine decimals?

★ Always line up the decimals when adding or subtracting.

Example 1: $8.13 + 2.76$

line up the decimals →

$$\begin{array}{r} 8.13 \\ + 2.76 \\ \hline 10.89 \end{array}$$

$$= 10.89$$

Estimate
 $8 + 2 = 10$

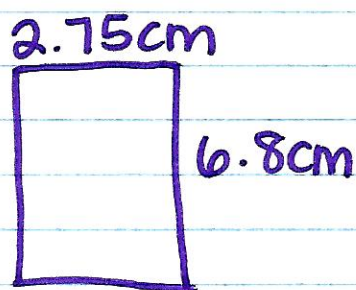
Example 2: $5.508 - 3.174$

$$\begin{array}{r} 5.508 \\ - 3.174 \\ \hline 2.334 \end{array}$$

$$= 2.334$$

Estimate
 $5 - 3 = 2$

Example 3: Find the perimeter



★ Add all sides to find perimeter

$$\begin{array}{r} 3 \quad 1 \\ 2.75 \\ + 2.75 \\ 6.80 \\ 6.80 \\ \hline 19.10 \end{array} = 19.1 \text{ cm}$$

Summary: