

## Chapter 1-1 Using Estimating Strategies

Objective: estimate decimals using rounding and front end estimation.

Basic Rounding rule:  
5 and up rounds up  
4 rounds down or stays the same.

Round to the nearest whole number

0.32          0.45          0.79

Round the nearest tenths place

11.25          23.86          56.45

Round to the nearest tens

22          37          46

$$\begin{array}{r} 1.) \quad 35.61 \\ + \quad 0.816 \\ \hline \end{array}$$

When asked to round to the nearest whole number which place value should you be rounding to?

Front End Estimation:

Add front end digit and estimate the remaining digits.

3.98 , 6.47, 9.08, 3.47

**11.77** are numbers  
that are easy to compute mentally.  
This is another way to estimate

Suppose you have saved \$50.25.  
About how many DVD's can you buy  
from category D in the table below?

| Category | Price   |
|----------|---------|
| A        | \$23.95 |
| B        | \$15.5  |
| C        | \$12.95 |
| D        | \$ 7.95 |

Can you buy twice as many CDs  
from category D than you can buy  
from category B? Explain your  
answer.