

NAME _____

DATE _____

**Think Before You Add** page 1 of 2

- 1** Study each problem before you begin to solve it. Think about which strategy would be most efficient (easiest and fastest). Choose your strategy and solve the problem. Use the space below the problems if you need it to do your figuring.

$$\begin{array}{r} 99 \\ + 43 \\ \hline \end{array}$$

$$\begin{array}{r} 878 \\ +121 \\ \hline \end{array}$$

$$\begin{array}{r} 213 \\ +762 \\ \hline \end{array}$$

$$\begin{array}{r} 232 \\ +75 \\ \hline \end{array}$$

- 2** Use the traditional algorithm for addition to solve the problems below.

$$\begin{array}{r} 189 \\ + 215 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ +84 \\ \hline \end{array}$$

$$\begin{array}{r} 378 \\ +497 \\ \hline \end{array}$$

$$\begin{array}{r} 764 \\ +135 \\ \hline \end{array}$$


- 3** Look at the problems in item 2. Find a problem that might have been solved faster with another strategy.
- a** Which problem did you choose?
- b** Which strategy could be faster? Why?

(continued on next page)


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Think Before You Add page 2 of 2**Mixed Review****4** Use the symbols $>$, $=$, or $<$ to compare each pair of fractions.


ex $\frac{1}{3}$  $>$ $\frac{1}{4}$


a $\frac{3}{6}$  $\frac{2}{3}$

b $\frac{1}{3}$  $\frac{1}{4}$

c $\frac{3}{4}$  $\frac{5}{6}$

d $\frac{2}{3}$  $\frac{3}{4}$

e $\frac{1}{2}$  $\frac{2}{4}$

f $\frac{1}{3}$  $\frac{2}{4}$

g $\frac{2}{6}$  $\frac{1}{3}$

5 Write the decimal name for each fraction.

a $5\frac{9}{10} =$

b $6\frac{5}{100} =$

c $2\frac{6}{10} =$

d $8\frac{1}{10} =$

e $1\frac{20}{100} =$

f $3\frac{4}{10} =$

g $9\frac{50}{100} =$

6 **CHALLENGE** Last year, Monica's snake was 9.62 inches long. Now her snake is 12.37 inches long. Show your work with numbers, labeled sketches, or words for each question below.**a** How much did Monica's snake grow in the last year?**b** How much more does her snake need to grow to be exactly 13 inches?