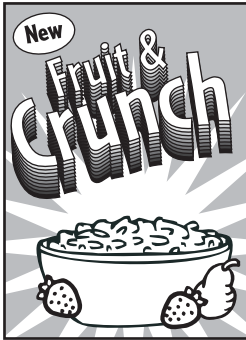
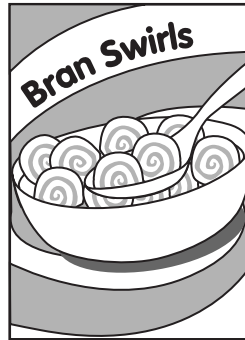


# Estimating Sums

Suppose your class has a goal of saving 275 cereal box tops.



136



152

Does your class have enough box tops to reach the goal?

Since you only need to know if you have enough, you can estimate.

You can estimate by rounding. You can round each addend to the nearest ten or hundred. Then add the rounded numbers.

Round to the nearest ten.

$$\begin{array}{r} 136 \rightarrow 140 \\ + 152 \rightarrow 150 \\ \hline 290 \end{array}$$

Since  $290 > 275$ , you have enough.

Round to the nearest hundred.

$$\begin{array}{r} 136 \rightarrow 100 \\ + 152 \rightarrow 200 \\ \hline 300 \end{array}$$

Since  $300 > 275$ , you have enough.

Round to the nearest ten to estimate each sum.

1.  $42 + 98 = \underline{140}$     2.  $36 + 59 = \underline{100}$     3.  $288 + 475 = \underline{770}$

Round to the nearest hundred to estimate each sum.

4.  $378 + 136 = \underline{500}$     5.  $436 + 309 = \underline{700}$     6.  $76 + 487 = \underline{600}$

7. **Reasonableness** Sun-Yi estimated  $270 + 146$  and got 300.

Is her estimate reasonable? Explain.

**No. If you round to the nearest hundred the estimate is  $300 + 100 = 400$ . If you round to the nearest ten the estimate is  $270 + 150 = 420$ .**