

## G2-M5-Lesson 12

1. Solve  $246 + 490$  using two different strategies.

a.  $246 + 490 = 736$

$\begin{array}{r} 246 \\ + 10 \\ \hline 236 \end{array}$

$490 + 10 = 500$   
 $500 + 236 = 736$

b.

hundreds	tens	ones
●●	●●●●●●	●●●●●●
●●●●●●	●●●●●●	●
●	●●●●●●	

7                      3                      6

490 is close to 500; it just needs 10 more, so I make the next hundred by breaking 246 into 236 and 10. This is the easiest strategy because it's easy to add 5 hundreds to 236.

I could also draw a chip model, but that would take longer, so it's not as efficient as using a number bond.

2. Choose the best strategy and solve. Explain why you chose that strategy.

a.  $499 + 367 = 866$

$\begin{array}{r} 499 \\ + 1 \\ \hline 500 \end{array}$

The best strategy is to make the next hundred to make an easier problem to solve. 499 needs just 1 more to be 500. Then, it's easy to add what's left, 366.  $500 + 366 = 866$ , so  $499 + 367 = 866$ . That's why it's important to always look for relationships between the numbers.

b.  $534 + 110 = 644$

I can solve this one mentally by adding like units.  $500 + 100 = 600$ , and  $34 + 10 = 44$ , so  $600 + 44 = 644$ .

c.  $695 + 248 = 943$

$\begin{array}{r} 695 \\ + 5 \\ \hline 700 \end{array}$

At first, I thought I needed to use the chip model and vertical form because I can see I need to rename twice. But then I looked more carefully! I see that I can make the next hundred, so I break apart 248.  $695 + 5 = 700$ , and  $700 + 243 = 943$ , so  $695 + 248 = 943$ .