

G2-M5-Lesson 12

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

a. $246 + 490 = 736$

$\begin{array}{r} 246 \\ + 490 \\ \hline 736 \end{array}$

$236 \quad 10$

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

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.

b.

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

7 3 6

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. $499 + 367 = 866$

$\begin{array}{r} 499 \\ + 367 \\ \hline 866 \end{array}$

1 366

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. $534 + 110 = 644$

$\begin{array}{r} 534 \\ + 110 \\ \hline 644 \end{array}$

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

c. $695 + 248 = 943$

$\begin{array}{r} 695 \\ + 248 \\ \hline 943 \end{array}$

5 243

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 $695 + 248 = 943$.