

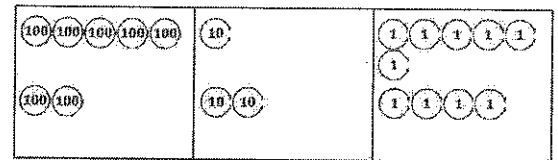
G2-M5-Lesson 8

1. Solve the following problems using your place value chart, place value disks, and vertical form. Bundle a ten or hundred when necessary.

$$516 + 224$$

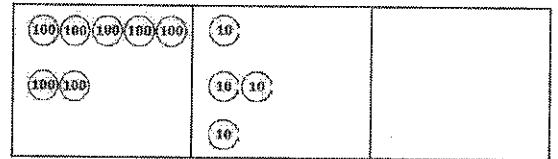
$$\begin{array}{r} 516 \\ + 224 \\ \hline \end{array}$$

I write the problem in vertical form and model both addends with my place value disks.



$$\begin{array}{r} 516 \\ + 224 \\ \hline 10 \end{array}$$

6 ones plus 4 ones is 10 ones, or 1 ten 0 ones. I record this in vertical form on the line below the tens place by first showing the new unit of ten using new groups below. Then, I write 0 below the ones place.



$$\begin{array}{r} 516 \\ + 224 \\ \hline 740 \end{array}$$

Next, I add the tens and then the hundreds. 1 ten plus 2 tens plus 1 more ten is 4 tens. 5 hundreds plus 2 hundreds is 7 hundreds.

$$516 + 224 = 740$$

2. Solve.

a. $600 + 180 = \underline{780}$

Easy! $600 + 100 = 700$. Then I add on 80, so 780.

b. $620 + 180 = \underline{800}$

$$\begin{array}{r} 600 \ 20 \end{array}$$

I can break 620 into 600 and 20 to make an easier problem to solve. When I add the 20 to 180 I get 200, and $600 + 200 = 800$, so $620 + 180 = 800$.

c. $680 + 220 = \underline{900}$

$$\begin{array}{r} 800 \ 100 \end{array}$$

$$\begin{array}{l} 600 + 200 = 800 \\ 80 + 20 = 100 \\ 800 + 100 = 900 \end{array}$$

d. $680 + 230 = \underline{910}$

Part (c) helps me solve this one. The first addend, 680, is the same. 230 is just 10 more than 220. That means the answer must be 10 more than 900, or 910.