G2-M4-Lesson 17

1. Solve mentally.

I have to pay attention to the unit. 8 tens equal 80. 1 hundred more than 80 is 180.

1 ten more than 8 ones = __18__ $10 + 8 =$ __18__

1 hundred more than 8 ones = __108__ $100 + 8 =$ __108__

1 hundred more than 8 tens = __180__ $100 + 80 =$ __180__

12 ones + 2 ones = __1__ ten(s) __4__ one(s) $12 + 2 =$ __14__

12 tens + 2 tens = __1__ hundred(s) __4__ tens(s) $120 + 20 =$ __140__

Both of these number sentences show $12 + 2$. What's different is the unit. Adding 10 ones makes 1 ten. Adding 10 tens makes 1 hundred.

2. Solve.

7 ones + 8 ones = __1__ ten __5__ ones $7 + 8 =$ __15__

7 tens + 8 tens = __1__ hundred __5__ tens $70 + 80 =$ __150__

15 tens is the same as 150. I can show 15 tens on a place value chart. When I circle 10 tens, I make a hundred, and there are 5 tens left.

3. Fill in the blanks. Then, complete the addition sentence.

$54 \xrightarrow{+6}$ __60__ $\xrightarrow{+40}$ __100__ $\xrightarrow{+10}$ __110__ $\xrightarrow{+10}$ __120__ $\xrightarrow{+100}$ __220__

$54 +$ __166__ $=$ __220__

First, I add 6 to make a ten, 60. Then I add 40 to make a hundred. It's easy to add on 2 more tens and a hundred to make 220.

Lesson 17:   Use mental strategies to relate compositions of 10 tens as 1 hundred to 10 ones as 1 ten.

EUREKA MATH