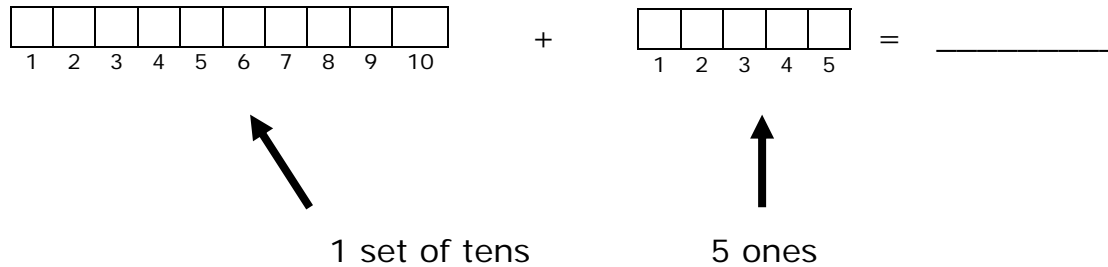


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Tens and Ones Guided Lesson Explanation

How To Do #1: Step 1 – Find out how many boxes you have in the model. You can do this by counting the boxes.



Step 2 – Find out how many tens and ones there are. Tens would be boxes that come in a set of ten. Ones would be a set that has less than ten. As we can see above, we have 1 set of tens and 5 ones.

1 tens + 5 ones

Step 3 – Add 1 tens and 5 ones. The easiest way to do this is to first write them as numbers:

$$10 + 5 =$$

Using the count up method we will find that $10 + 5 = 15$

How To Do #2: When breaking down numbers into place values we just have to remember what the order of the numbers means. The number to the far right indicates the number of ones we have. The number to the left is equal to the number of tens we have. Let's look at the place values of 16.

| | |
|------|------|
| 1 | 6 |
| # of | # of |
| Tens | Ones |

We can see that there are 1 tens place (10s) and 6 ones (1 1 1 1 1 1)places.



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Let's look at the next one. 9 is a bit trickier because there is only one number. The first number you have present is the ones place. So in this case we have 9 ones. There is no tens place, so you have a 0 in the tens place

0 9
of # of
Tens Ones

Use the same strategies to complete the chart. Number 11 and 17 follow our first example. Number 4 follows our 0s in the ten place strategy.

| | Tens | Ones |
|----|------|------|
| 16 | 1 | 6 |
| 9 | 0 | 9 |
| 11 | 1 | 1 |
| 4 | 0 | 4 |
| 17 | 1 | 7 |

How To Do #3: These problems build right off of the technique we were just using. You are just breaking two digit numbers into their ones and tens place. For the first one we meet 17. 17 has one tens place and 7 ones places. So we write it $10 + 7$. We do the same for 12. One tens place and two ones places.

b) $17 = 10 + 7$

c) $12 = 10 + 2$

