

## G2-M4-Lesson 1

1. Complete each more or less statement.

- 1 less than 46 is 45.
- 48 is 10 more than 38.
- 63 is 10 less than 73.
- 39 is 1 *less than* 40.

I can use place value language to explain the change. 1 more and 10 more are the same as adding. 1 less and 10 less are the same as subtracting.

2. Complete each pattern, and write the rule.

- 33, 34, 35, 36, 37      Rule: **1 more**
- 43, 33, 23, 13, 3      Rule: **10 less**
- 43, 42, 41, 40, 39      Rule: **1 less**

I study the numbers and look for the more or less pattern. I know 34 is 1 more than 33, so the rule is 1 more.

40 is 1 less than 41, so the rule is 1 less.

3. Label each statement as true or false.

- 1 more than 43 is the same as 1 less than 45. **True.**
- 10 less than 28 is the same as 1 more than 16. **False.**

I know 1 more than 43 is 44, and 1 less than 45 is 44, so this statement is true.  
10 less than 28 is 18, and 1 more than 16 is 17, so this statement is false.

4. Below is a chart of fruit in Gloria's basket.

Use the following to complete the chart.

- Gloria has 1 more banana than the number of apples.
- Gloria has 10 fewer oranges than the number of pears.

I can use what I know about number patterns to complete the chart. 1 more than 19 is 20, so there are 20 bananas. 10 fewer than 21 is 11, so there are 11 oranges.

Fruit	Number of Fruit
Apples	19
Pears	21
Bananas	20
Oranges	11

### G2-M4-Lesson 24

1. Solve using mental math. If you cannot solve mentally, use your place value chart and place value disks.

$47 - 7 = \underline{40}$

$47 - 8 = \underline{39}$

$147 - 47 = \underline{100}$

$147 - 48 = \underline{99}$

I can use  $147 - 47$  to help me solve  $147 - 48$ . Since the difference in the first problem is 100, the difference in the second problem must be 1 less than 100 because I am only subtracting 1 more.

2. Solve using your place value chart and place value disks. Unbundle the hundred or ten when necessary. Circle what you did to model each problem.

$145 - 87 = \underline{58}$

I unbundled the hundred.

Yes  No

I unbundled a ten.

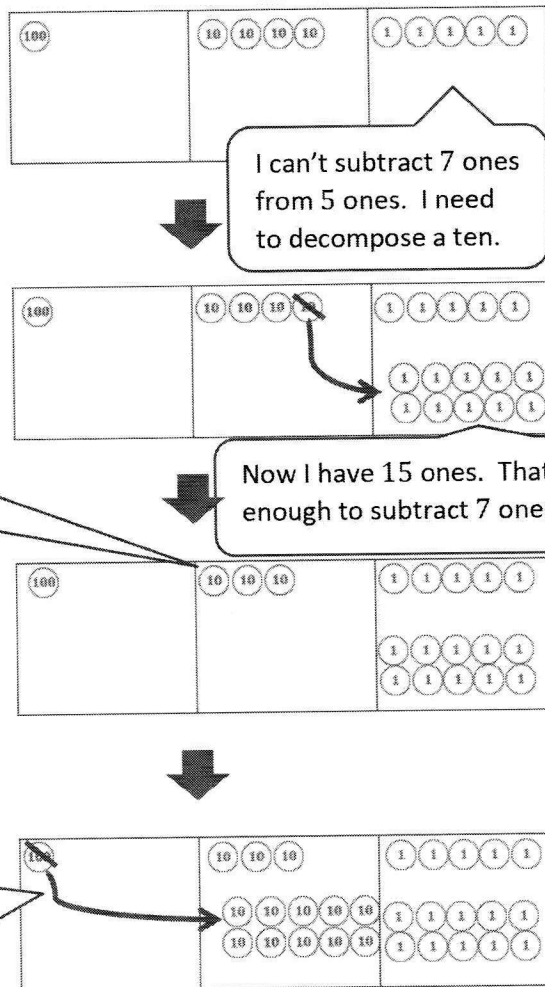
Yes  No

I only have 3 tens. That's not enough to subtract 8 tens! I need to unbundle the hundred.

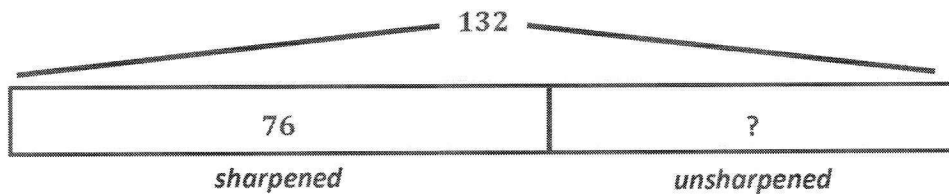
I can't subtract 7 ones from 5 ones. I need to decompose a ten.

Now I have 15 ones. That's enough to subtract 7 ones.

Now I have 13 tens and 15 ones. I am ready to subtract!  
 $13 \text{ tens} - 8 \text{ tens} = 5 \text{ tens.}$   
 $15 \text{ ones} - 7 \text{ ones} = 8 \text{ ones.}$   
 5 tens 8 ones is 58.



3. 76 pencils in the basket are sharpened. The basket has 132 pencils. How many pencils are not sharpened?



My tape diagram shows that 132 is the total. I know that one part is 76 sharpened pencils. I am solving for the number of pencils that are not sharpened. That's my unknown.

$$132 - 76 = ?$$

$$76 \xrightarrow{+4} 80 \xrightarrow{+20} 100 \xrightarrow{+32} 132$$

56 pencils are not sharpened.

I can use the arrow way to find the missing part. I can start at 76 and add 4 to get to a friendly number, 80. Then, I can add 20 to get to 1 hundred. Then, 32 more is 132. So,  $20 + 32 + 4 = 56$ .