

G4-M2-Lesson 4

1. Complete the table.

Smaller Unit	Larger Unit	How Many Times as Large as?
<i>ten</i>	thousand	100

I ask myself, "One thousand is 100 times as large as what unit?" I know 1 thousand is 100 tens (1×100 tens). So, my smaller unit is ten.

2. Fill in the unknown unit in word form.

125 is 1 hundred 25 ones.

125 cm is 1 meter 25 cm.

I ask myself, "125 ones is the same as 1 of what larger unit and 25 ones?"

The units are centimeters. I can make a larger unit. 100 centimeters equals 1 meter. So, 1 meter 25 cm is the same as 125 cm.

3. Write the unknown number.

142,728 is 142 thousands 728 ones.

142,728 mL is 142 L 728 mL.

I can decompose 142 thousands 728 into smaller units. 142 thousands is the same as 142,000 ones. So, 142 thousands 728 ones is 142,728.

I know 1 liter equals 1,000 milliliters. So, 142 liters equals 142,000 milliliters, and 142 liters 728 milliliters equals 142,728 milliliters.

4. Fill in each with
- $>$
- ,
- $<$
- , or
- $=$
- .

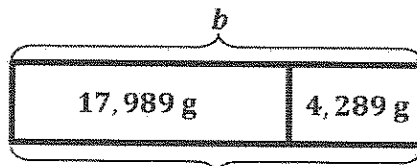
740,259 mL $>$ 74 L 249 mL

74 L 249 mL is the same as 74,249 mL. 74 ten thousands is greater than 7 ten thousands.

5. Mikal's backpack weighs 4,289 grams. Mikal weighs 17 kilograms 989 grams more than his backpack. How much do Mikal and his backpack weigh in all?

1 kg = 1,000 g

$$\begin{array}{r} 17,989 \text{ g} \\ + \quad 4,289 \text{ g} \\ \hline 22,278 \text{ g} \end{array}$$

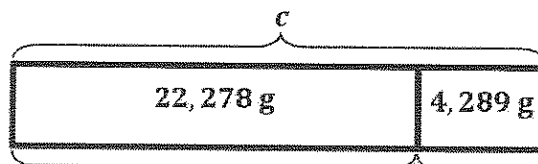


$b = 22,278 \text{ g}$

Mikal's weight

To find Mikal's weight, I add.
Mikal weighs 22,278 g.

$$\begin{array}{r} 22,278 \text{ g} \\ + \quad 4,289 \text{ g} \\ \hline 26,567 \text{ g} \end{array}$$



$c = 26,567 \text{ g}$

Mikal

backpack

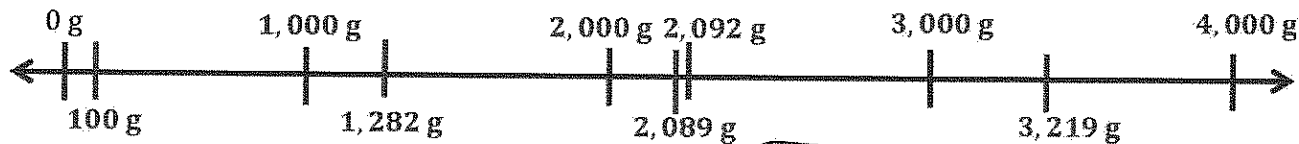
I add to find the total weight.

Altogether Mikal and his backpack weigh 26,567 g or 26 kg 567 g.

6. Place the following measurements on the number line:

1 kg 282 g 2,089 g 2 kg 92 g 3,219 g 100 g

Each unit on the number line is 1,000 g.
I label each tick mark.



I compare 2,092 and 2,089. 9 tens are more than 8 tens. So, 2,092 is more than 2,089.