

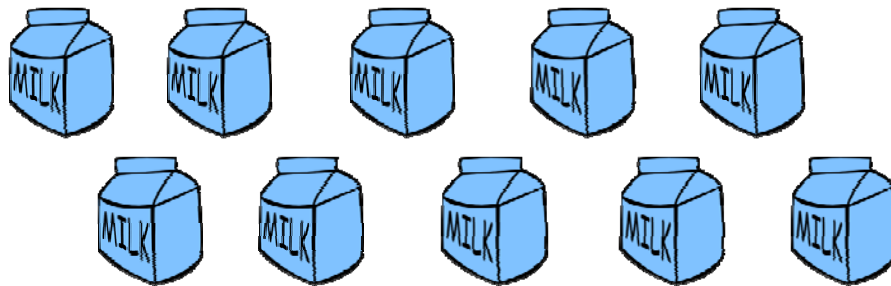
Liquid Volume and Mass Word Problems -Guided Lesson Explanation**Explanation to #1**

Step 1) Identify what is being asked of you.

“How many liters of milk does Michael have?”

Step 2) Michael has 10 liters of milk

He gives Jacob 3 liters of milk



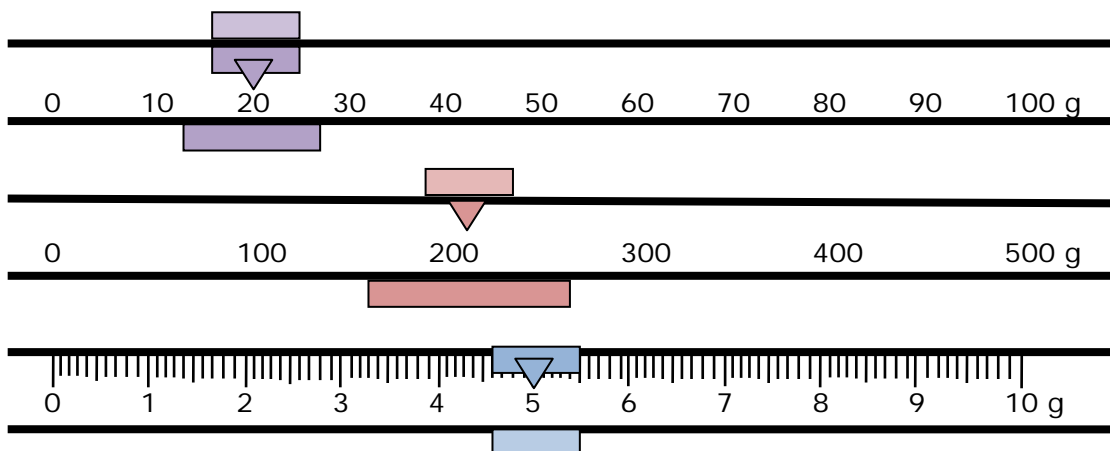
Step 3) so we subtract 3 liters of milk from 10 liters of milk:

$$10 - 3 = 7 \text{ liters}$$

So, the result is 7 liters.

Explanation to #2

We read a triple beam balance in three parts and add them. The top bar is the tens place, the middle bar is the hundreds place, and the bottom bar is both the ones and tenths place.



Name _____

Date _____

Step 2) First observe needle in ones/tenths (bottom) of a gram:

We see that needle is pointing on 5 grams.

The second needle we read is the top needle (tens place):

We see that the needle is pointing to 20 grams.

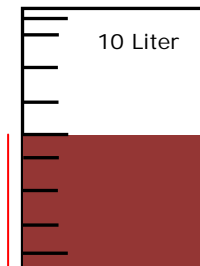
Look at the middle needle in hundred's value:

We see that the needle is pointing to 200 grams.

The total mass shown on the balance will be = $200 + 20 + 5 = 225$ grams

The answer is 225 grams.

Explanation to #3



The total volume of the beaker is 10 liters. There are 10 lines; that means that each line is equal to a liter.

As we can see, the liquid is topped at the 5 liter mark. The volume of liquid in this container is 5 liters.

