

G3-M2-Lesson 18

1. Solve the subtraction problems below.

a. $50 \text{ cm} - 24 \text{ cm} = 26 \text{ cm}$

I can use mental math to solve this subtraction problem. I do not have to write it out vertically. I can also think of my work with quarters. I know $50 - 25 = 25$. But since I'm only subtracting 24, I need to add 1 more to 25. So, the answer is 26 cm.

b. $507 \text{ g} - 234 \text{ g}$

$$\begin{array}{r} 507 \text{ g} \\ - 234 \text{ g} \\ \hline \end{array}$$

Before I subtract, I need to see if any tens or hundreds need to be unbundled. I can see that there are enough ones to subtract 4 ones from 7 ones. There is no need to unbundle a ten.

$$\begin{array}{r} \overset{4 \text{ } 10}{\cancel{5}07 \text{ g}} \\ - 234 \text{ g} \\ \hline \end{array}$$

But, I am still not ready to subtract. There are not enough tens to subtract 3 tens, so I need to unbundle 1 hundred to make 10 tens. Since I unbundled 1 hundred, there are now 4 hundreds left.

$$\begin{array}{r} \overset{4 \text{ } 10}{\cancel{5}07 \text{ g}} \\ - 234 \text{ g} \\ \hline 273 \text{ g} \end{array}$$

After unbundling, I see that there are 4 hundreds, 10 tens, and 7 ones. Now I am ready to subtract. Since I've prepared my numbers all at once, I can subtract left to right, or right to left. The answer is 273 grams.

- Monday 607 grams
- Wednesday 345 grams
- ? grams
- I can model this problem with a tape diagram to figure out what I need to do to solve. I can see that I am looking for a missing part.

$$\begin{array}{r} 607 \text{ g} \\ - 345 \text{ g} \\ \hline \end{array}$$
$$\begin{array}{r} 510 \\ 607 \text{ g} \\ - 345 \text{ g} \\ \hline \end{array}$$
$$\begin{array}{r} 510 \\ 607 \text{ g} \\ - 345 \text{ g} \\ \hline 262 \text{ g} \end{array}$$

**EUREKA
MATH™**