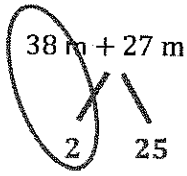
G3-M2-Lesson 16

1. Find the sums.

a. $38\text{ m} + 27\text{ m} = 65\text{ m}$



I can use mental math to solve this problem. I can break apart 27 as 2 and 25. Then I can solve $40\text{ m} + 25\text{ m}$, which is 65 m.

b. $358\text{ kg} + 167\text{ kg}$

I can use the standard algorithm to solve this problem. I can line the numbers up vertically and add.

$$\begin{array}{r} 385\text{ kg} \\ +\ 167\text{ kg} \\ \hline 2 \end{array}$$

5 ones plus 7 ones is 12 ones. I can rename 12 ones as 1 ten 2 ones.

$$\begin{array}{r} 385\text{ kg} \\ +\ 167\text{ kg} \\ \hline 52 \end{array}$$

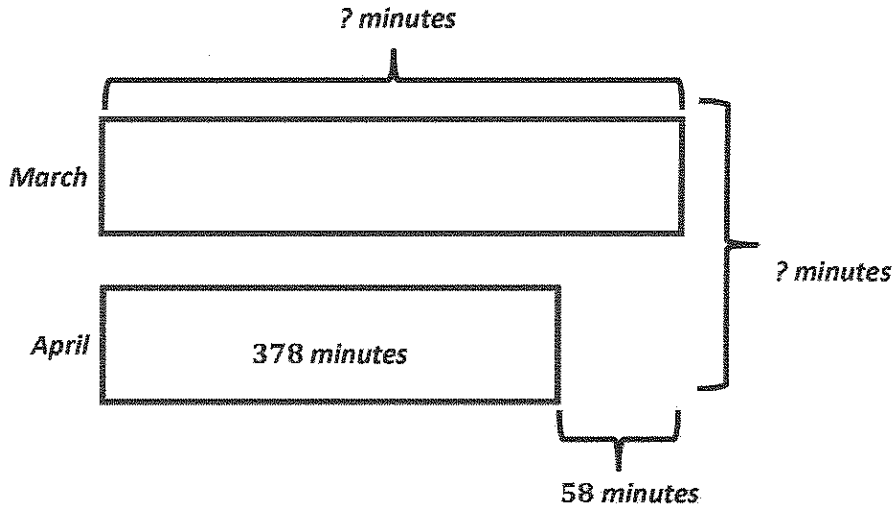
8 tens plus 6 tens is 14 tens. Plus 1 more ten is 15 tens. I can rename 15 tens as 1 hundred 5 tens.

$$\begin{array}{r} 385\text{ kg} \\ +\ 167\text{ kg} \\ \hline 552\text{ kg} \end{array}$$

3 hundreds plus 1 hundred is 4 hundreds. Plus 1 more hundred is 5 hundreds. The sum is 552 kg.

2. Matthew reads for 58 more minutes in March than in April. He reads for 378 minutes in April. Use a tape diagram to find the total minutes Matthew reads in March and April.

I can draw a double tape diagram because I am comparing the number of minutes Matthew read in March and April.



$$\begin{array}{r} 378 \text{ minutes} \\ +\ 58 \text{ minutes} \\ \hline 436 \text{ minutes} \end{array}$$

I can use the standard algorithm to add 378 minutes and 58 minutes. 436 minutes is the amount of time Matthew reads in March.

$$\begin{array}{r} 436 \text{ minutes} \\ +\ 378 \text{ minutes} \\ \hline 814 \text{ minutes} \end{array}$$

I can use the standard algorithm to add the time Matthew reads in March, 436 minutes, and the time he reads in April, 378 minutes, to find the total time he spends reading for both months.

Matthew read for 814 minutes in March and April.