Possible Solutions

Cody and Jill are playing with toy trucks at Cody's house. 25 of the trucks are blue, 19 of the trucks are yellow, 15 of the trucks are green, and 48 of the trucks are pink.

a) How many trucks are Cody and Jill playing with? Explain the thinking you used to solve the problem.

First I decomposed 25 into 20 + 5, 19 into 10 + 9, 15 into 10 + 5, and 48 into 40 + 8. I then added all the tens together for a total of 80.

That left me with 5, 9, 5, and 8 to add. I added the two 5s for a sum of 10 which leaves me with 9 and 8.

I decomposed 8 into 1 + 7 so I could add the 1 to the 9 which gave me a sum of 10 and a remaining 7.

So far I have 80 + 10 + 10 + 7 which I added together for a total of 107 trucks Cody and Jill are playing with.

b) How many more pink trucks are they playing with than yellow trucks? Explain the thinking you used to solve the problem.

Cody and Jill have 48 pink trucks and 19 yellow trucks. I will use addition on a number line to show my thinking. First I drew a number line with 19 labeled. I then jumped 1 to land on 20. I then jumped 20 and arrived at 40 on my number line. I then jumped 8 more to land on 48. I counted my jumps 1 + 20 + 8 and have a sum of 29. The difference in pink and yellow trucks is 29.