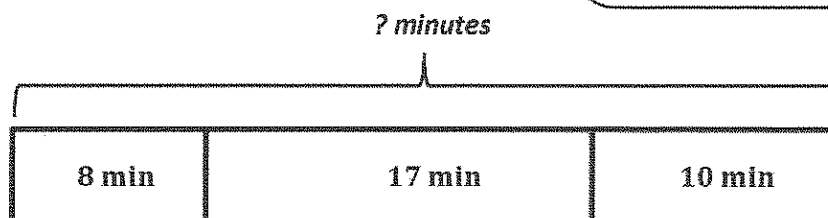


G3-M2-Lesson 5

Luke exercises. He stretches for 8 minutes, runs for 17 minutes, and walks for 10 minutes.

- a. How many total minutes does he spend exercising?

I can draw a tape diagram to show all the known information. I see all the parts are given, but the whole is unknown. So, I can label the whole with a question mark.



I can estimate to draw the parts of my tape diagram to match the lengths of the minutes. 8 minutes is the shortest time, so I can draw it as the shortest unit. 17 minutes is the longest time, so I can draw it as the longest unit.

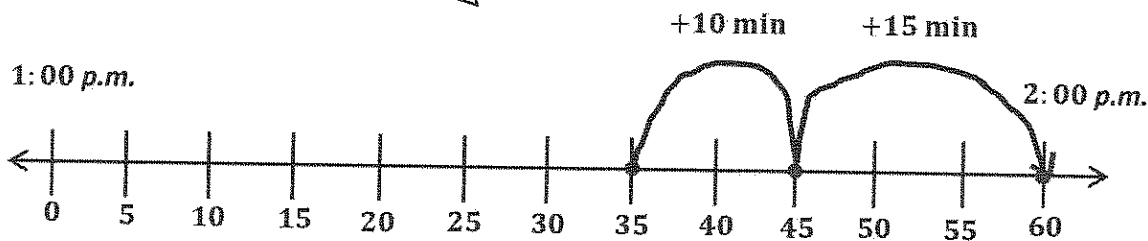
$$8 + 17 + 10 = 35$$

Luke spends a total of 35 minutes exercising.

I can write an addition equation to find the total number of minutes Luke spends exercising. I also need to remember to write a statement that answers the question.

- b. Luke wants to watch a movie that starts at 1:55 p.m. It takes him 10 minutes to take a shower and 15 minutes to drive to the theater. If Luke starts exercising at 1:00 p.m., can he make it on time for the movie? Explain your reasoning.

I can draw a number line to show my reasoning. I can plot the starting time as 1:35 because I know it takes Luke 35 minutes to exercise from part (a). Then I can add 10 minutes for his shower and an additional 15 minutes for the drive to the theater.



No, Luke can't make it on time for the movie. From the number line, I can see that he will be five minutes late.

I can see on the number line that Luke will be at the theater at 2:00 p.m. The movie starts at 1:55 p.m., so he'll be 5 minutes too late.