


ELAPSED TIME


- The time between the start of an activity and the end of an activity
- How long an activity lasted

How do I calculate or show my work for elapsed time?

We use a timeline & symbols strategy:

 = 1 hour (it takes an hour to get over the mountain)

 = 5 minutes (it takes 5 minutes to get over the hill)

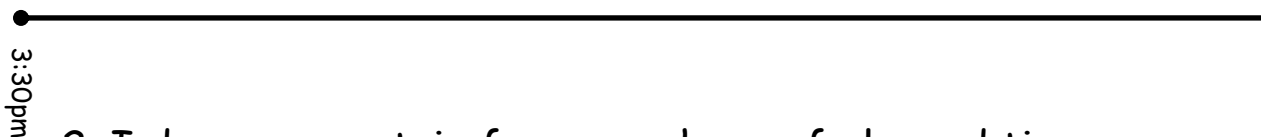
 = 1 minute (it only take a minute to get over a stick)

There are 3 different types of elapsed time problems. Here are steps and examples of each type:

Start time: 3:30pm Elapsed time: 3 hours 27 minutes

- I need to find out what time an activity ended (END TIME)

1. I draw the time line & label the start time

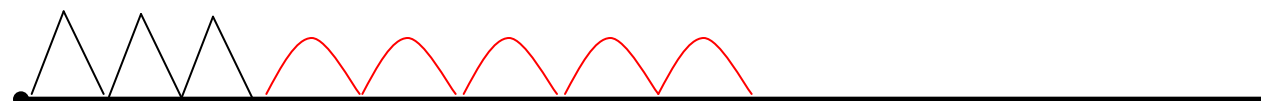


2. I draw a mountain for every hour of elapsed time. (3 for this example)



3. I draw 1 hill for every 5 minutes without going over the minutes.

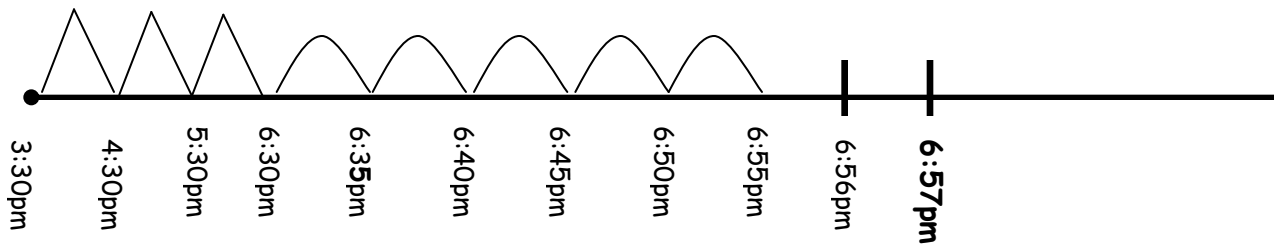
(I can only get to 25 minutes for this example)



4. Now I add on 1 stick to count on minutes until I have the total minutes. (2 more minutes for this example)



5. Now we label each point where a mountain or hill touches the timeline as we add the amount of time it takes to get over the mountain, hill, or stick.



6. Now we label our answer: The end time is 6:57pm

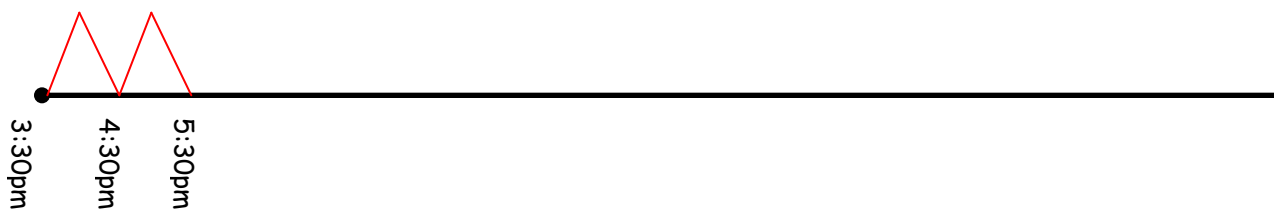
Start time: 3:30pm End time: 5:48pm

- I need to find out how long an activity lasted or how much time has passed (ELAPSED TIME)

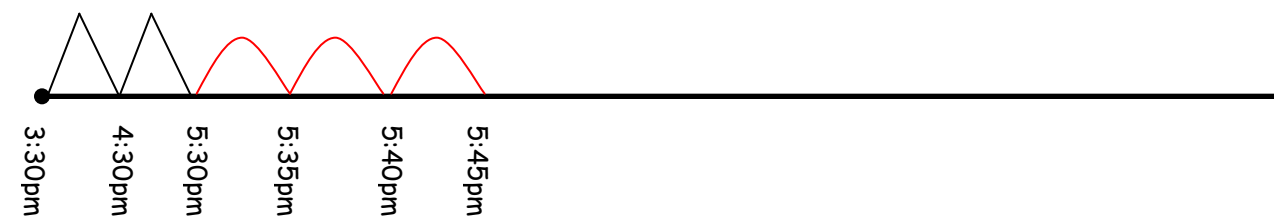
1. I draw the time line & label the start time



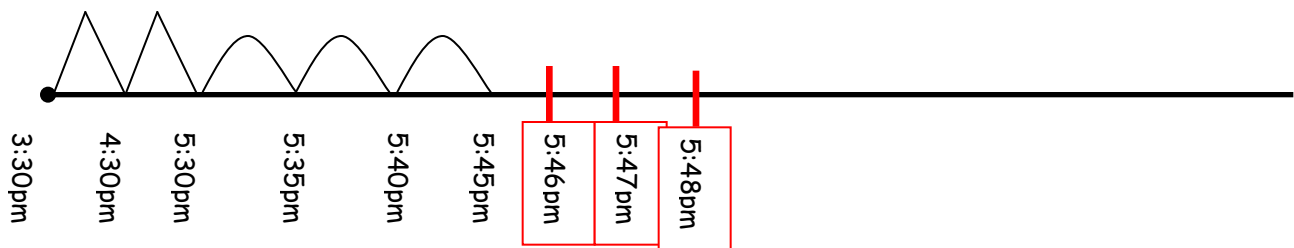
2. Now I need to draw & label as many mountains as I can without going past my end time.



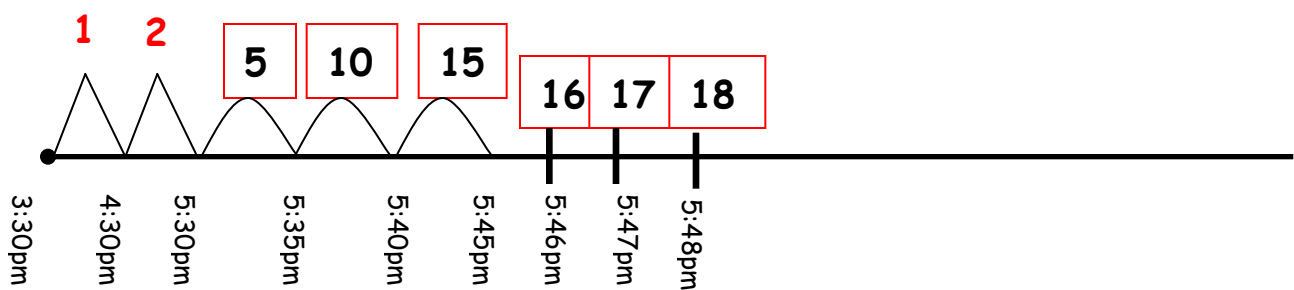
3. Now I need to draw & label as many hills as I can without going past my end time.



4. Now I need to draw & label as many sticks as I can until I have reached the end time.



5. Now I need to label & count my mountains, hills, & sticks to find the amount of elapsed time.



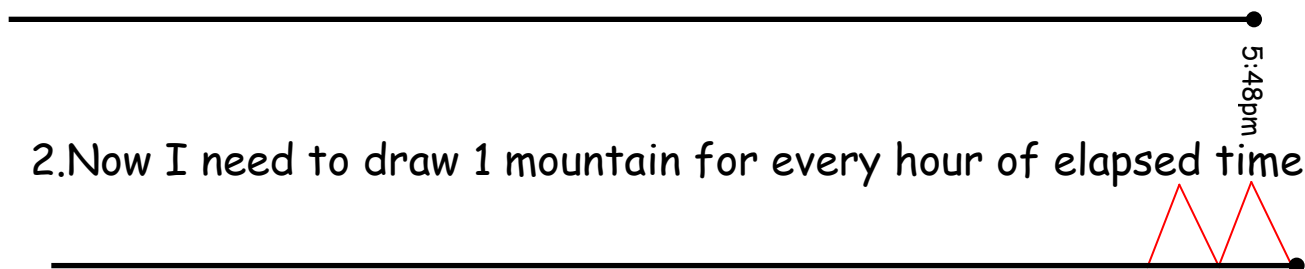
6. Now label your answer!

The elapsed time for this activity is 2 hours 18 minutes

End time: 5:48pm Elapsed time: 2 hours 16 minutes

• I need to find out when an activity started (START TIME)

1. I draw the time line & label the END time; *I will be counting backwards!!*



2. Now I need to draw 1 mountain for every hour of elapsed time.

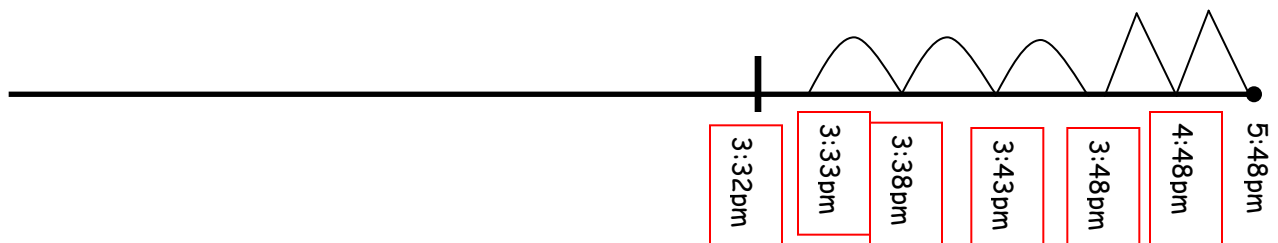
3. Now I need to draw 1 hill for every 5 minutes without going over the minutes.



4. Now I add on 1 stick to count on minutes until I have the total minutes.



5. Now we label each point where a mountain or hill touches the timeline as we add the amount of time it takes to get over the mountain, hill, or stick.



6. Now label the answer!

The start time is 3:32pm

I hope you have had a really good time learning about elapsed time!