



Solving Time Problems with a Number Line

Name: _____

Date: _____



When you look at an analog clock, you can see the measuring lines around the circle as a circular number line...

...that can be made straight into a number line tool to help you solve time problems for periods within an hour.

For example:

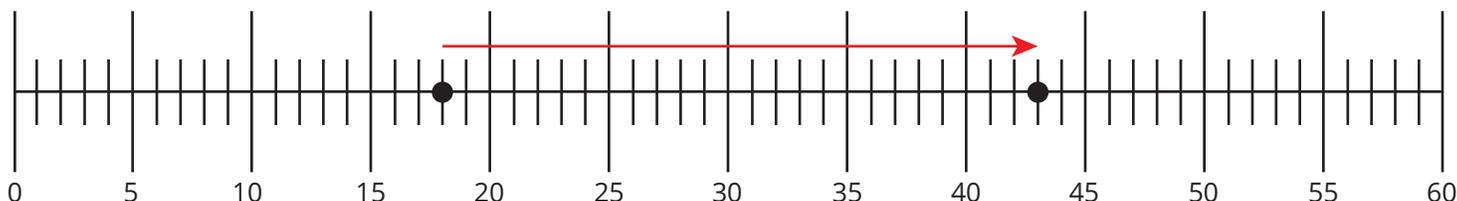
What time would it be if you were to have a snack in 25 minutes and the time is 2:18?

Step 1) Locate 18 on the number line as the starting point.

Step 2) A future time would be ahead of you, so you count 25 units forward...

Step 3) At 18 minutes, adding 25 minutes is 43 minutes, so your snack would be 2:43!

Move forward 25 minutes from 18 to arrive at 43!



Answers

Directions: Use the number line to solve the following exercises.

- Jenny leaves for dinner at 6:25. If she arrives at 6:55, how many minutes did it take Jenny to get there? 30 minutes
- It takes Johanna 38 minutes to ride her motorcycle to the bookstore. If she left at 2:15, what time would it be when she arrives? 2:53
- Blythe's singing rehearsal is at 3:30. How many minutes does she have to get there on time if she leaves at 3:07? 23 minutes
- Ivan works out at 2:05 each day, but takes a break after 45 minutes. If he takes a break 20 minutes earlier than normal, what time will Ivan take a break? 2:30
- Andrea always finishes her 20 minute shower at 3:33. What time does her shower begin?
3:13

Think About It:

When measuring time, when is part of a whole not a part of a whole?

Answers May Vary: discussion can include the idea of periods of time being considered

whole, as opposed to an hour or 60 minutes being one whole.