

## Telling Time

Students need to be able to tell time to the nearest minute, as well as be able to determine how much time has passed between one event and another.

Students also need to be able to refer to time by using the following vocabulary: quarter past, half past, 5 minutes before..., 5 minutes past..., 10 minutes to...

### Vocabulary:

**Elapsed time:** the amount of time that has passed

**Time interval:** duration of a segment of time (elapsed time)

### Sample Problems/ Answers:

Explain how you know the time you wrote is correct.

Sample answer:

I know 8:21 is correct because the hour hand is pointing a little past the 8, but it is not all the way on the 9 yet, so it is still the eighth hour. The minute hand is pointing to the minute after the 4. You count the numbers on the clock by five minute intervals, so 5, 10, 15, 20 minutes have passed, and the hand is 1 minute past 20 minutes, making it 21 minutes.

Elapsed time sample problem:

What time will it be one hour later than 12:15 and how do you know?

It takes one hour for the minute hand to move all the way around, so an hour later the minute hand will again point to the 3 and the hour hand will be between 1 and 2. The time will be 1:15.

-students can count by 5's, use a number line (does not need to be drawn to scale), or move the hands of a virtual clock (website below) to help them solve the problem

How did your strategy help you solve word problems involving time?

The number line diagram helped me because I know one hour is 60 minutes, so I started on the start time and jumped by tens until I got to 60 minutes. That showed me 1 hour later, which is 1:15.

Virtual Clock Website:

<http://www.teacherled.com/resources/clockspin/clockspinload.html>