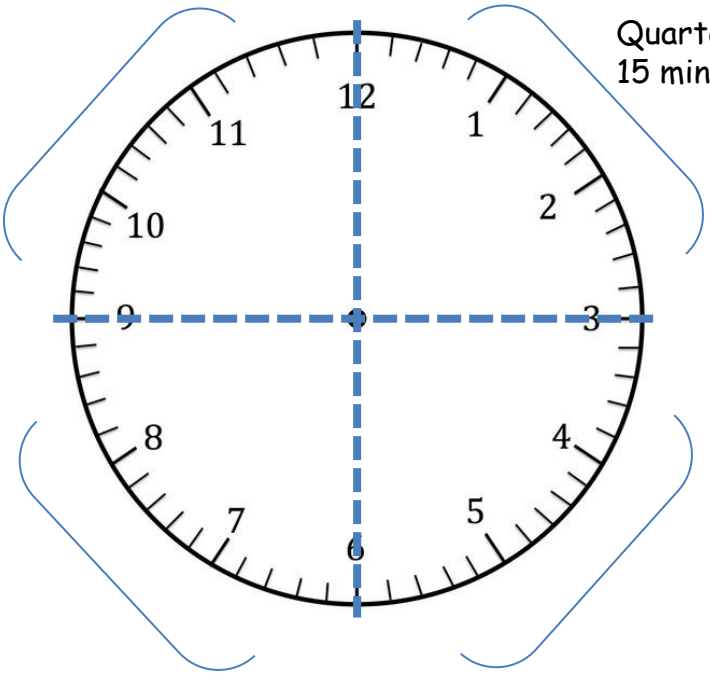
Telling Time with Analog Clocks

Measuring length is an important skill to know when it comes to living your life. It can help you determine the distance between objects and help you figure out if you have enough space for something. There are many different tools you can use to measure, including rulers, measuring tape and even some objects.

Vocabulary	
Elapsed Time	The amount of time a task or job takes. Measured from a starting time until its completion.
Quarter / Half	15 minutes / 30 minutes
Past	Minutes that occur *after* the given hour.
Till	Minutes that occur *before* the given hour.



Quarter
15 minutes

Reading a clock

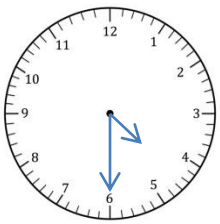
1. The **short hand** identifies the **hour**. The hour changes when the short hand **passes** a number.

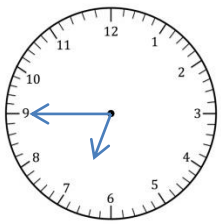
2. The **long hand** identifies the **minutes**. Each of the big numbers represents a skip of five minutes.

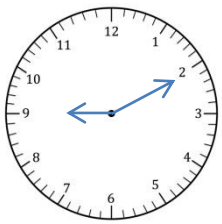
3. A clock face can be divided in half or quarters to tell time.

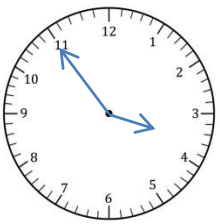
4. When you are trying to see how long something takes, start with the hours first, then the minutes.

Determine what time is shown on each clock.



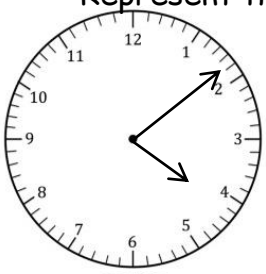






Telling Time to the Nearest Minute

Represent the given analog times in "digital" form.



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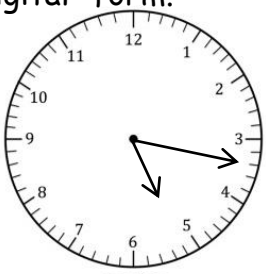

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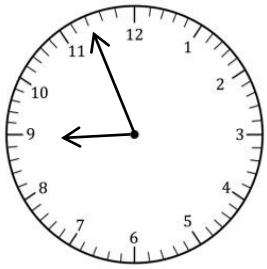

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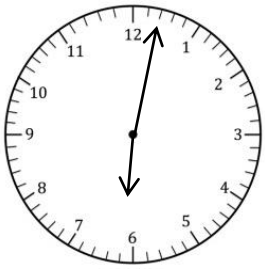

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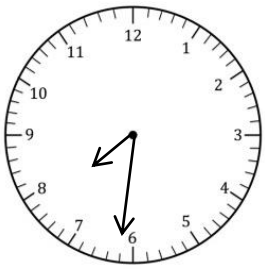

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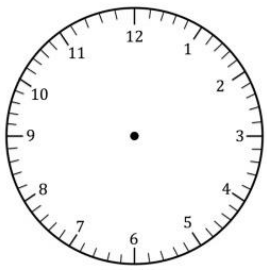
Model the provided times on the clock faces as accurately as you can.



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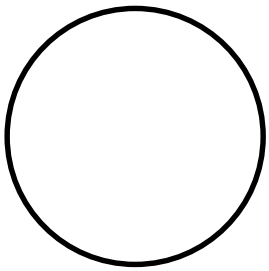

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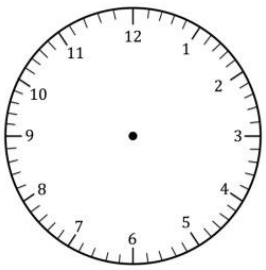

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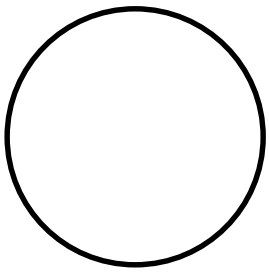

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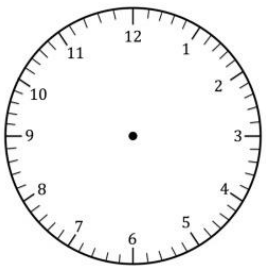

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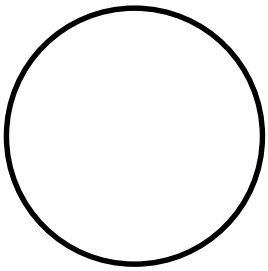


12:01

Elapsed Time

Time is something that we measure every day. In order to stay organized and responsible with your time, it is important to learn how to measure elapsed time and determine end times. This anchor chart can help you!

Vocabulary	
Start time	The time when a task or event begins.
Elapsed Time	The amount of time that the task or event takes.
End Time	The time when a task or event ends.
Hours	There are 24 hours in a day, measured in two sets of 12.
Minutes	There are 60 minutes in an hour.

Time Equations

_____ + _____ = _____

start time + elapsed time = end time

Three types of time questions

Unknown Start Time

Calvin started reading his book. After he read for 45 minutes, he looked at the clock and saw that it was 3:20pm. What time did Calvin start reading?

_____ + _____ = _____

start time + elapsed time = end time

Unknown Elapsed Time

Dorothy started doing her chores at 9:20am. She worked hard, and finished the chores at 10:10am. How long did Dorothy work on her chores?

_____ + _____ = _____

start time + elapsed time = end time

Unknown End Time

Nguyen got to his job at 8:30am. He worked at his computer for 7 hours and 40 minutes. What time did Nguyen finish working?

_____ + _____ = _____

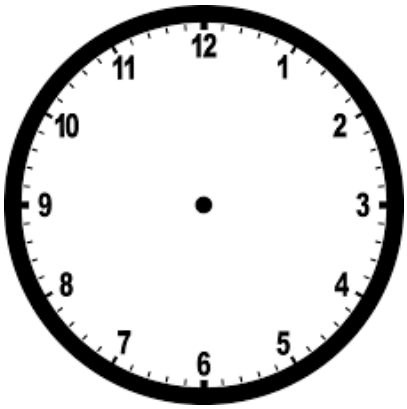
start time + elapsed time = end time

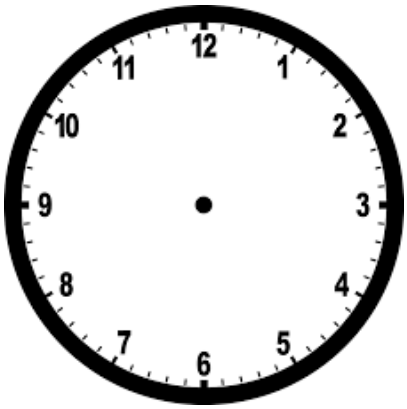
Solving Time Problems

Counting On

1. Place your start time. If you do not have one, put a ? as a place holder.
2. Place your end time. If you do not have an end time, put a ? as a place holder.
3. Skip count from your start time to your end time.
    - First, skip count to the nearest hour.
    - Then, skip count by 10 minutes or what ever you feel comfortable with.

Using a Clock





1. You will always have access to a clock in your classroom.
2. Draw a clock and place the start time.
3. Draw another clock with the end time.
4. Count forwards on the first clock to determine the elapsed time.