

# Clock Setting

Set plastic model clocks to match times on printed cards.  
Difficulty increases from Level 1 to Level 3.

## Materials

- 1 open-faced bin with divider
- 24 plastic model clocks with plastic pouch attached to the back
- 1 clear plastic snap box
- 72 printed cards:
  - 24 Level 1 cards
  - 24 Level 2 cards
  - 24 Level 3 cards



## Setup

Place the snap box with cards on the table to the left. Place the divided bin next to it to the right with the 24 clocks standing in the left side.

## Procedure

### Level 1: Hours & Half Hours

*Setup:* Select the green cards and place them in the open snap box with the small clock face and digital time facing up. Set the other cards aside.

- Take the top card and insert it into a clear pouch attached to the back of the clock. It should be positioned so the clock face and digital time are visible above the plastic clock.
- Position the movable hands on the plastic model clock to match the time on the card.
- Place the clock standing up in the right side of the divided bin with the card attached.
- Repeat until all clocks are set.

### Level 2: Five Minute Intervals

*Setup:* Select the blue cards and place them in the open snap box with the small clock face and digital time facing up. Set the other cards aside.

- Take the top card and insert it into a clear pouch attached to the back of the clock. It should be positioned so the clock face and digital time are visible above the plastic clock.
- Position the movable hands on the plastic model clock to match the time on the card.
- Place the clock standing up in the right side of the divided bin with the card attached.
- Repeat until all clocks are set.

### Level 3: Elapsed Time

*Setup:* Select the red cards and place them in the open snap box with the small clock face and digital time facing up. Set the other cards aside.

- Take the top card and insert it into a clear pouch attached to the back of the clock. It should be positioned so the clock face and elapsed time instructions are visible above the plastic clock.

## Quality Criteria

The time set on the clock must match the time printed on the card. The reverse side of the card shows the same information in a larger size.

- Position the movable hands on the plastic model clock earlier or later than the time shown on the clock following instruction on the card.
- Place the clock standing up in the right side of the divided bin with the card attached.
- Repeat until all clocks are set.

## Variations with Clock Setting

### Scheduling:

- On a piece of paper, write the time and description of events in a student's typical day, up to 24 events. For instance, 6:30 Wake up, 7:15 Catch the bus, 7:55 Homeroom, 8:15 Math class, etc. Students then set the hands on a clock for each event, laying them in sequence on a table. Schedule events and times can also be written along the top edge of paper that has been cut to fit the pouch on the back of the clock.

### Figuring Elapsed Time:

- Divide the model clocks into pairs. Set each clock in a pair at two different times, making the elapsed time a value that you wish to assess. Use stickers or sticky notes to number the clock pairs. The student evaluates each pair and writes the elapsed time on a piece of paper.

## Disassembly

A different person should disassemble the task. In most cases, a task will need to be disassembled after each level is completed.

### Setup

Place items on table as in the assembly activity.

### Procedure - All Levels

- Take one of the plastic clocks and remove the card from the pouch.
- Place the card in the clear snap box with the small clock facing up.
- Place the clock in the left side of the open-face bin.
- Repeat until all cards are in the snap box.