

## Focus Standards and Claim

Claim 4

CCSS.MATH.CONTENT.

2.MD.C Work with time and money.

7. Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m. Know relationships of time (e.g., minutes in an hour, days in a month, weeks in a year).

## Stimulus

### Art Day!

You are helping your 4th grade class organize an Art Day.

There will be three stations:

- Painting
- Pottery
- Chalk Art

You have two tasks. You will help create the supply list and the schedule for Art Day.

#### Task 1: Supply List

You need to make sure there are enough supplies at each station for everyone to participate. You will use the following information to create a list of art supplies for your class.

- There are 24 students in your class.
- Each student needs –
  - 2 paint brushes for the Painting Station.
  - 3 pounds of clay for the Pottery Station.
  - 5 pieces of chalk for the Chalk Art Station.

#### Task 2: Schedule

You also need to help plan the schedule for Art Day using the following information.

- The day starts at 9:00 a.m. and ends at 2:00 p.m.
- Your entire class will rotate through the three stations together.
- The Break has to be at least 10 minutes.
- The Break and Lunch together total 1 hour.
- The three stations (Painting, Pottery, and Chalk Art) do **not** need to be the same amount of time, but each one has to be 30 minutes or longer.

## Item Prompt

Your next task is to help plan the schedule for Art Day using the information from Task 2: Schedule.

Create a schedule for your class to follow on Art Day. You must follow the order given in the table.

**Art Day Schedule\***

\*Times must be given using a 12-hour clock.

| Activity  | Start Time | End Time  |
|-----------|------------|-----------|
| Painting  | 9:00 a.m.  |           |
| Break     |            |           |
| Pottery   |            |           |
| Lunch     |            |           |
| Chalk Art |            | 2:00 p.m. |

## Sample Responses

## Sample Response A

| Activity  | Start Time | End Time   |
|-----------|------------|------------|
| Painting  | 9:00 a.m.  | 9:30 a.m.  |
| Break     | 9:30 a.m.  | 9:40 a.m.  |
| Pottery   | 9:40 a.m.  | 10:10 a.m. |
| Lunch     | 10:10 a.m. | 11:00      |
| Chalk Art | 11:00      | 2:00 p.m.  |

## Sample Response B

| Activity  | Start Time | End Time  |
|-----------|------------|-----------|
| Painting  | 9:00 a.m.  | 10:00     |
| Break     | 10:10      | 10:25     |
| Pottery   | 10:30      | 11:30     |
| Lunch     | 11:40      | 12:25     |
| Chalk Art | 12:30      | 2:00 p.m. |

Sample  
Response C

| Activity  | Start Time | End Time  |
|-----------|------------|-----------|
| Painting  | 9:00 a.m.  | 10:00 am  |
| Break     | 10:20 am   | 10:30 am  |
| Pottery   | 10:30 am   | 11:30 am  |
| Lunch     | 12:10 pm   | 1:10 pm   |
| Chalk Art | 1:30 am    | 2:00 p.m. |

Sample  
Response D

| Activity  | Start Time | End Time  |
|-----------|------------|-----------|
| Painting  | 9:00 a.m.  | 9:55      |
| Break     | 10:00      | 10:15     |
| Pottery   | 10:20      | 11:20     |
| Lunch     | 11:25      | 12:35     |
| Chalk Art | 12:40      | 2:00 p.m. |

Sample  
Response E

| Activity  | Start Time | End Time   |
|-----------|------------|------------|
| Painting  | 9:00 a.m.  | 10:10 a.m. |
| Break     | 10:10 a.m. | 10:30 a.m. |
| Pottery   | 10:30 a.m. | 11:20 a.m. |
| Lunch     | 11:20 a.m. | 12:00 a.m. |
| Chalk Art | 12:00      | 2:00 p.m.  |

Sample  
Response F

| Activity  | Start Time | End Time  |
|-----------|------------|-----------|
| Painting  | 9:00 a.m.  | 2:00 pm   |
| Break     | 12:20      | 1:10      |
| Pottery   | 2:50       | 3:40      |
| Lunch     | 3:59       | 4:00      |
| Chalk Art | 4:30       | 2:00 p.m. |