

4

Elapsed Time

Explore



- Saba sent this invitation to 5 friends. Help Saba plan the afternoon. Choose 4 games to play.
- Make a chart to show each game and its start and end times. Remember to include a time for eating.
- Trade charts with another pair of classmates. Find how many minutes will be spent playing each game.



Show and Share

Check each other's work. Talk about the strategies you used to figure out the time in minutes.

A.M.—times from midnight to noon
P.M.—times from noon to midnight

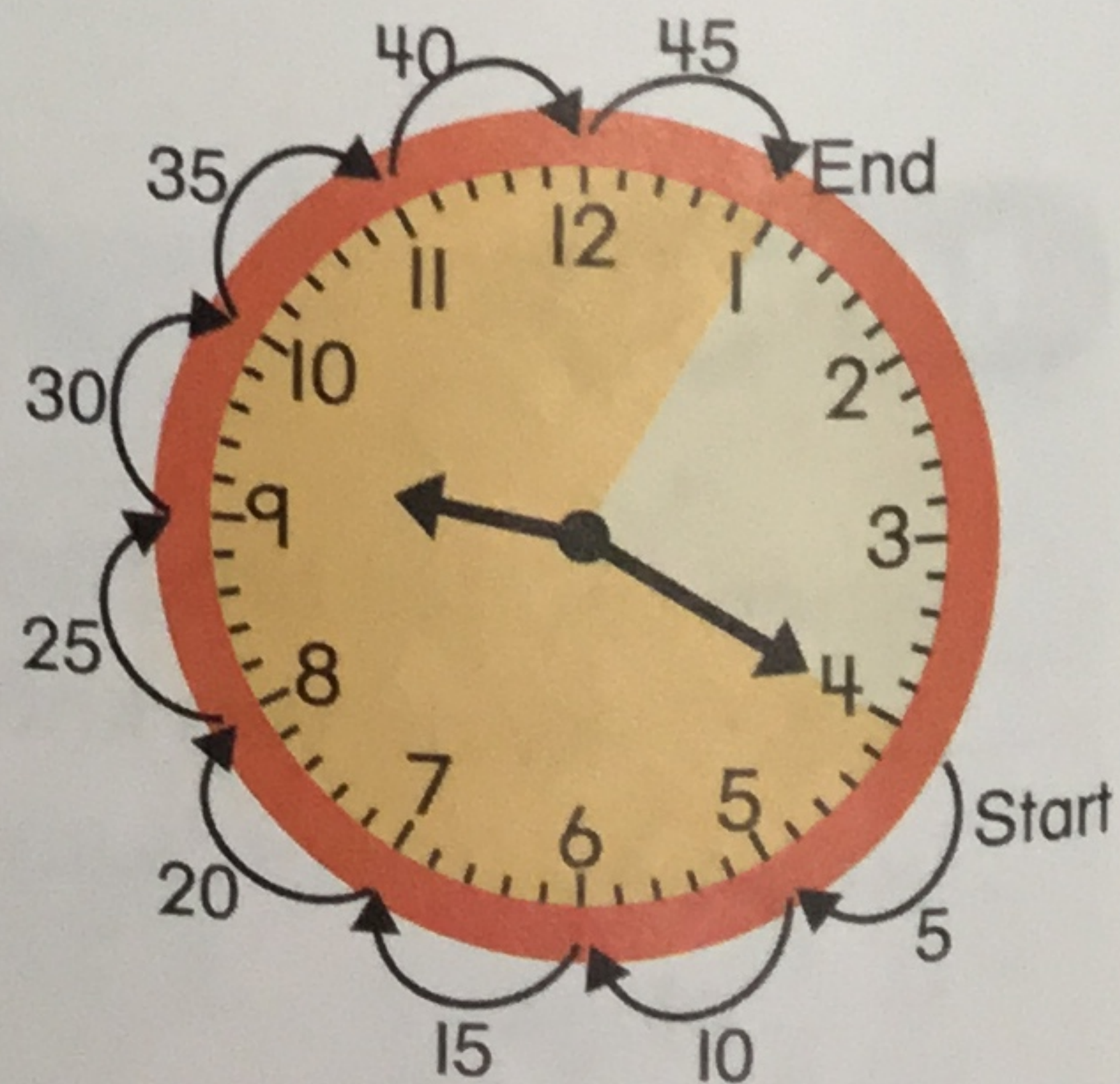
Connect

The amount of time from the start to the end of an activity is the **elapsed time**.

Fatima and Clara played checkers from 9:20 A.M. to 10:05 A.M.

To find the elapsed time in minutes, count on by 5s.

Fatima and Clara played checkers for 45 minutes.



Practice

Use a play clock when it helps.

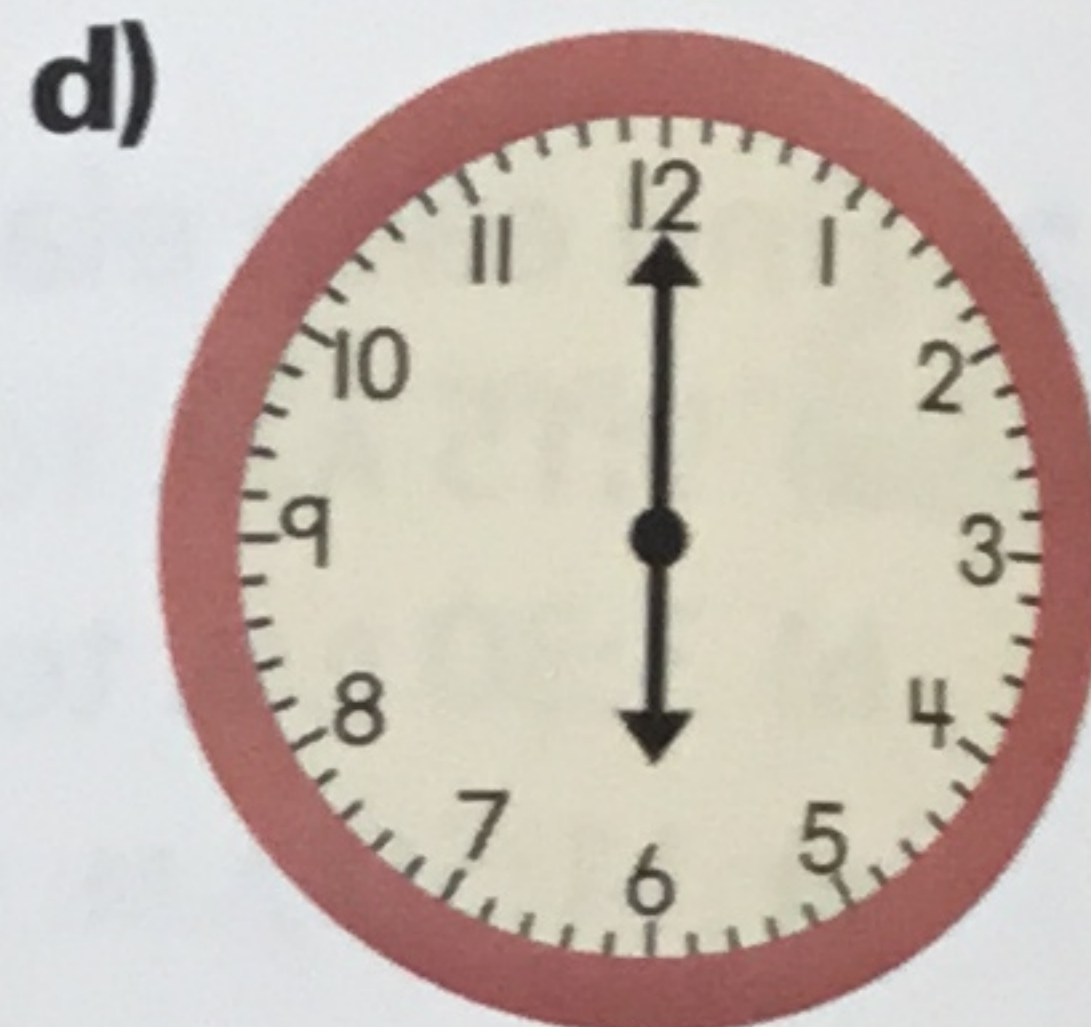
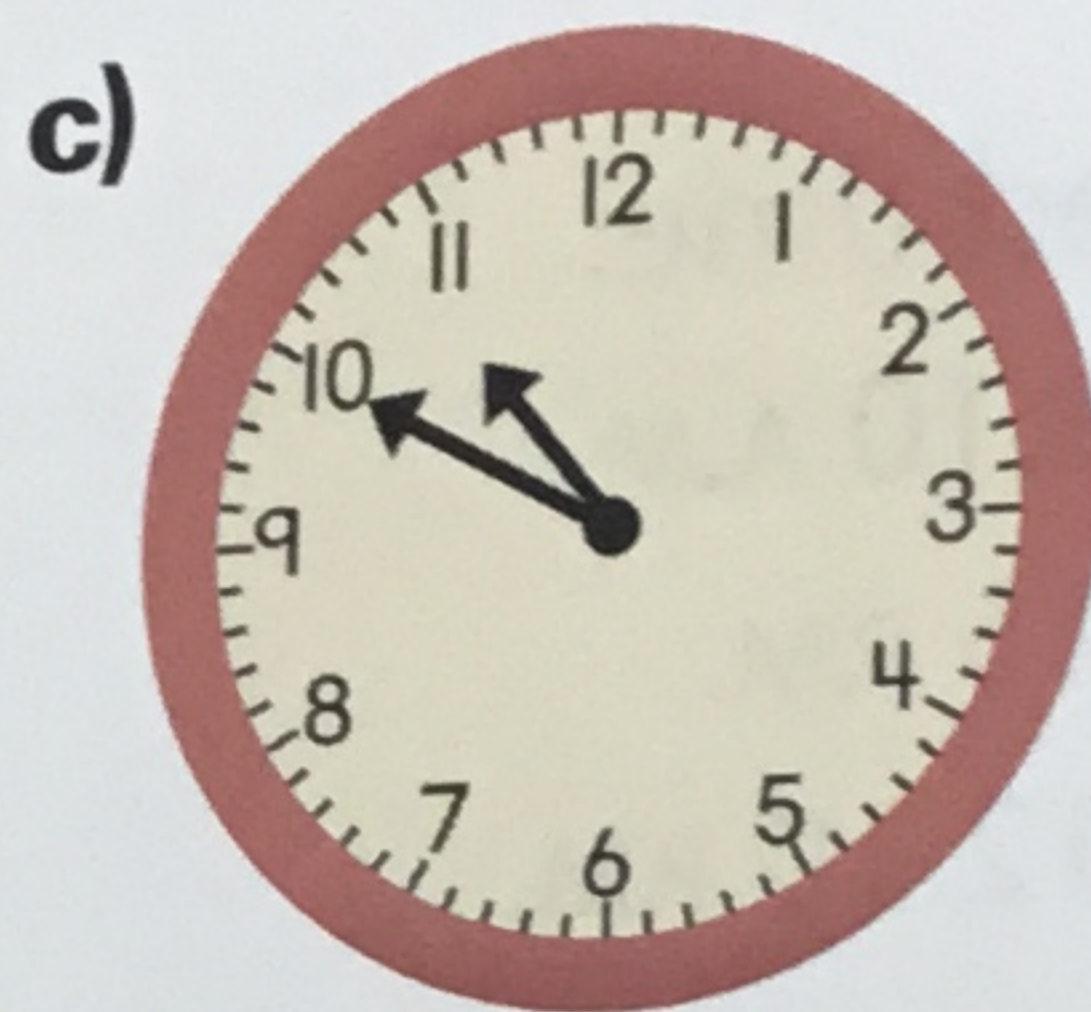
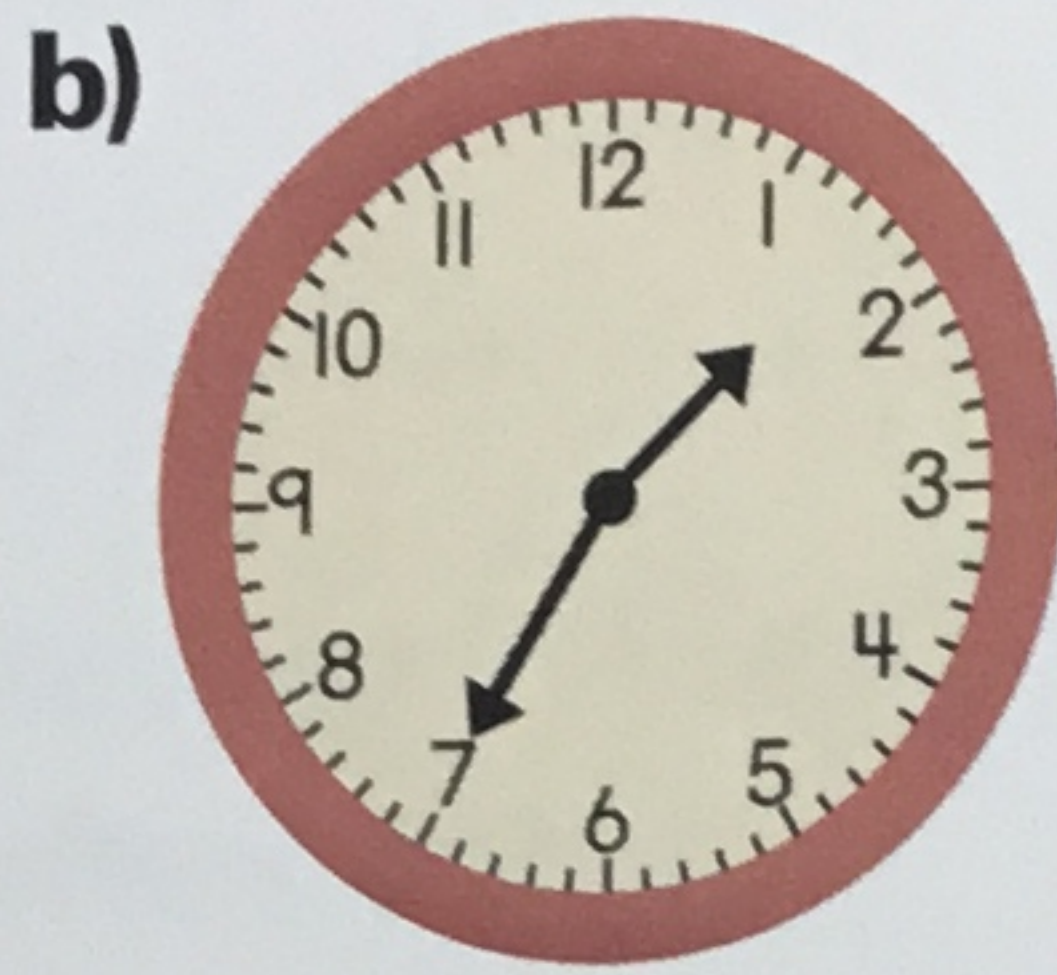
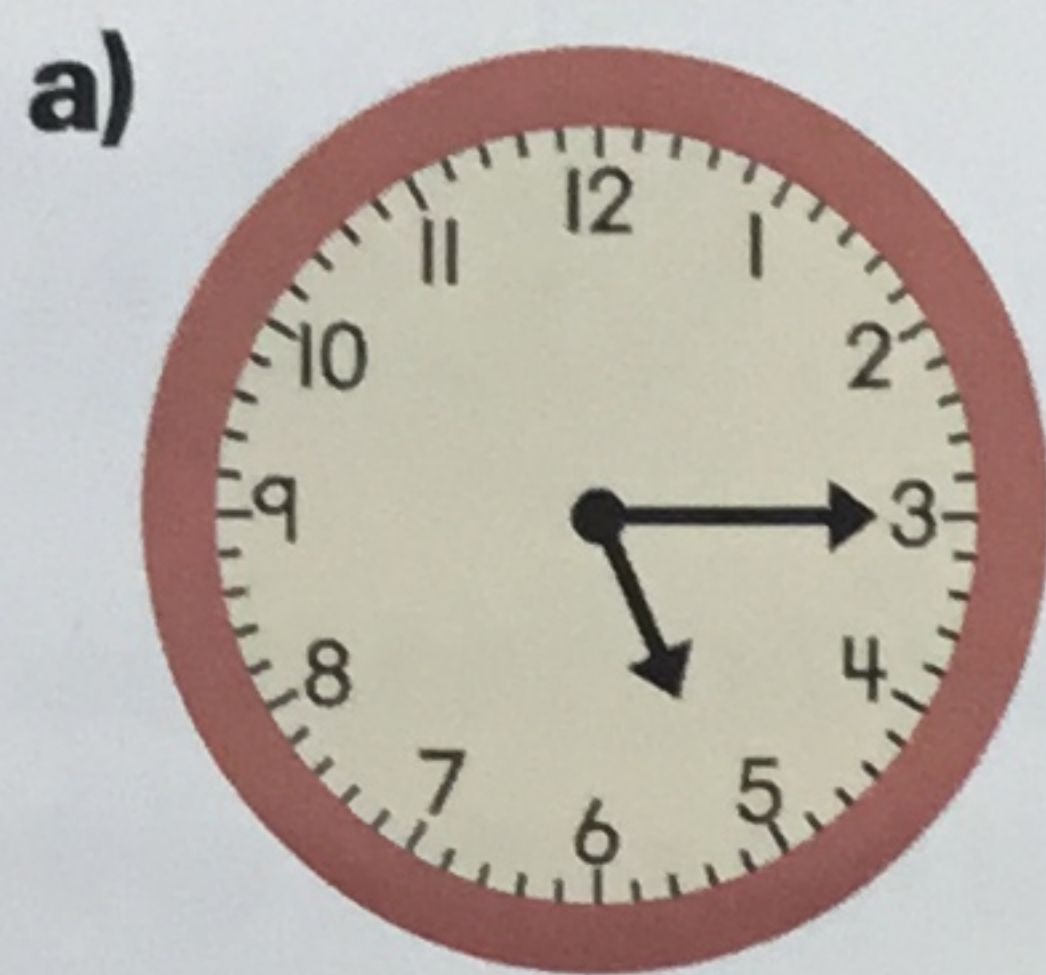
1. Recess starts at 10:10 A.M. and ends at 10:25 A.M.
How long is recess?
2. Find each elapsed time.
 - a) 9:15 A.M. to 10:10 A.M.
 - b) 3:30 P.M. to 4:15 P.M.
 - c) 11:50 A.M. to 12:10 P.M.
3. Aaron listened to music for 35 minutes.
He started at 6:25 P.M.
At what time did Aaron stop?
4. You have 20 minutes to clean your room.
You start at 3:45 P.M.
You finish at 4:10 P.M.
Did you clean your room in time? Explain.
5. Suppose it is now 7:50 P.M.
How many minutes will it be until 8:15 P.M.?
How do you know?
6. A spider took 30 minutes to spin its web.
The spider finished spinning at 11:40 A.M.
At what time did it start?
7. This chart shows Emma's Saturday activities.
Copy and complete the chart.



	Activity	Start Time	End Time	Elapsed Time
a)	Library visit	9:15 A.M.	9:55 A.M.	
b)	Hockey practice	4:25 P.M.		40 minutes
c)	Help with supper		7:10 P.M.	35 minutes

8. Arlo and Wilfred met at the lake at 2:30 P.M.
Arlo had taken 20 minutes to get to the lake.
Wilfred had taken 25 minutes.
At what time did each boy leave home? How do you know?

9. Look at each analog clock. What time will it be 45 minutes later?



10. Here is a schedule of activities for the trip to the Outdoor Nature Centre.

- a) Why does the chart not show A.M. or P.M.?
b) Which activity takes the most time?
How much time does it take?
c) How much time do bird-watching and snow sculpture take together?
d) It takes 40 minutes to ride from school to the nature centre.
At what time should the class leave school?
e) About what time will the class arrive back at school after the trip? How do you know?
f) Make up your own question about the trip.
Answer your question.
Show your work.

Activity	Time Period
Snowshoeing	1:00 – 1:50
Bird-watching	2:00 – 2:30
Snack time	2:40 – 2:55
Snow sculpture	3:00 – 3:55



Reflect

Name an activity you usually do before 9:00 A.M.
Name an activity you might do between 1:00 P.M. and 7:00 P.M.