



2nd
Basic

3rd
Advanced

Helping With Math

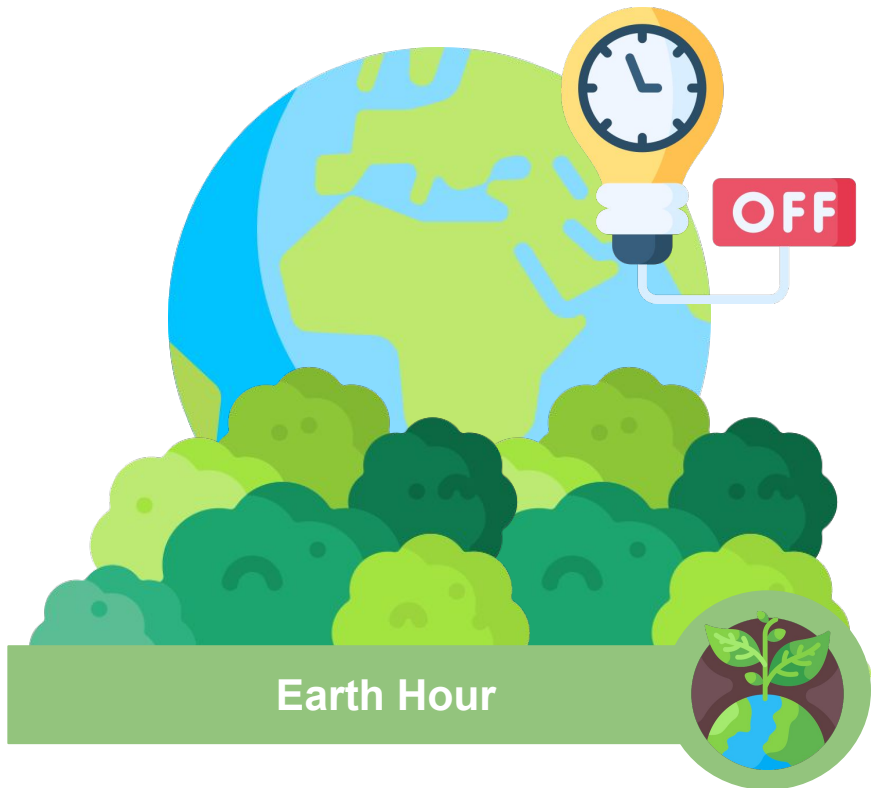
USA
GRADES

Elapsed Time

*Suitable for students
aged 6-8*



This pack is suitable for learners aged 6 to 8 years old or 2nd and 3rd grades (USA). The content covers fact files and relevant basic and advanced activities involving elapsed time.



Earth Hour



This year's Earth Hour will happen at 8:30 PM on March 26, 2022. For 1 hour, everyone shows their appreciation for Mother Earth.
When does it finish?

_____ : _____ PM



CONCEPTS

ELAPSED TIME

- To know the elapsed times means to know the **difference between two times**.
- In elapsed time, we have 2 parts. The first is the **Initial Time**, and the second is the **Final Time**.
- We subtract the **difference between the Initial Time and the Final Time** to know our elapsed time.

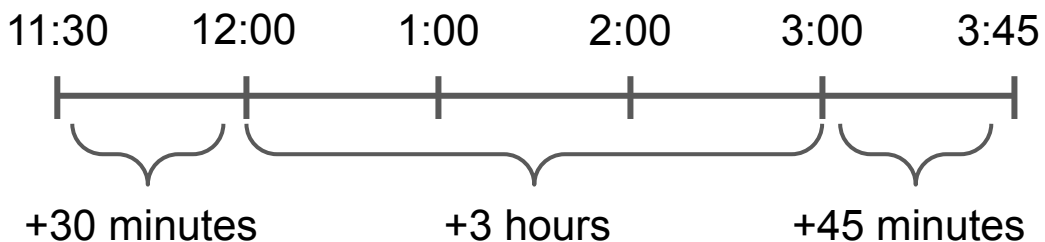
SOLVING FOR ELAPSED TIME

11:30

to

3:45

- First, find the number of minutes from the Initial Time to its nearest next hour.
- Then count the number of hours before the Final Time.
- Then add the remaining minutes from the Final Time.
- Voila, you now have your Elapsed Time.

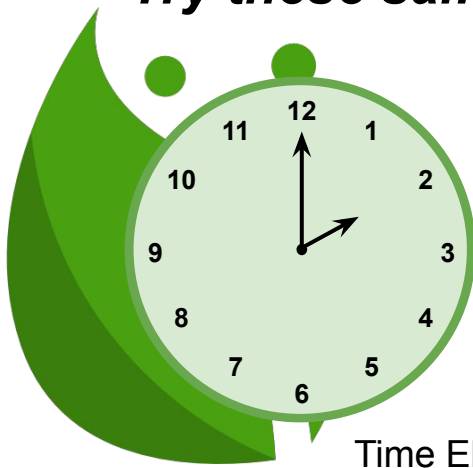


$$3 \text{ hours} + 45 \text{ minutes} + 30 \text{ minutes} = 4 \text{ hours } 15 \text{ minutes}$$



SAMPLE/APPLICATION

Try these sample problems yourself!



to



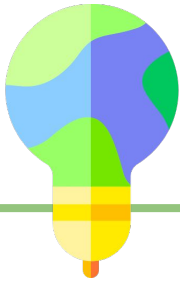
Time Elapsed: _____

02:35

to

12:15

Time Elapsed: _____



Did You Know?

Earth Hour was started by WWF in Sydney Australia back in 2007 where over 2.2 million people turned off their lights

APPLICATIONS

- When saving electricity, you can use Elapsed time to know how much time you've been using an appliance.
- When you're taking care of plants, use elapsed time to know when to water them again.
- When to know how much time has passed by when watching.



TABLE OF ACTIVITIES

Ages 6-7 (Basic) <u>2nd Grade</u>	
1	Behold, Nature!
2	Turn Them Off!
3	Dim Lights For Earth
4	To Help The Earth
5	Lesser Is Better!
Ages 7-8 (Advanced) <u>3rd Grade</u>	
6	Give Color
7	Fix It!
8	Hiking For A Cause
9	Time For The Main Event
10	Happy Earth Hour



BEHOLD, NATURE!

G2
Basic

Nature is such a fascinating! When basking yourself in it, you can be lost in time. Find the time spent in the two sceneries below.

Elapsed Time: _____



11:30 am

8:30 pm

Elapsed Time: _____



11:30 am

6:30 pm

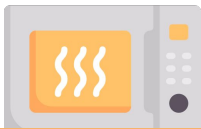


TURN THEM OFF!

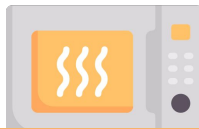
G2
Basic

One thing you can do, not just during the Earth Hour, is conserve the use of electricity. Try to know the time difference when the appliance was turned on and off!

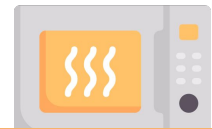
1. The microwave was turned on at 7:30 in the morning. It has been finally turned off at 2:00 in the afternoon. How much time has passed?



8 hours 20 minutes



6 hours 30 minutes



1 hours 30 minutes

2. The Television was turned on at 9:00 in the morning, and the family has been continuously watching on it at noon. What is the elapsed time?



1 hour

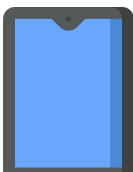


2 hours

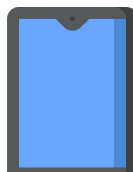


3 hours

3. The kids have been using their phones all day! They started to play on it at 6:00 in the morning and it is now 3:00 in the afternoon. How much time has passed since then?



9 hour



9 hours 30 minutes



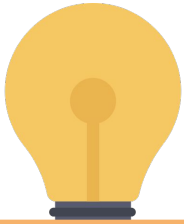
8 hours



DIM LIGHTS FOR EARTH

G2
Basic

Johanne decided to set up a timer to dim and turn off the lights to conserve electricity. Answer the questions below depending on when she covers, turn on, and turn off the lights.



5:30 am



These are my timers when I dim, turn off, and turn on my lights!

1. What is the time elapsed between Morning and Afternoon?

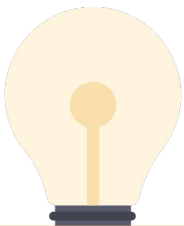
Time Elapsed: _____



12:00 pm

2. What is the time elapsed between Afternoon and Evening?

Time Elapsed: _____



8:00 pm

3. What is the time elapsed between Night to Morning?

Time Elapsed: _____



TO HELP THE EARTH

G2
Basic

Before Earth Hour, Danny decided to research how much time people spend on their gadgets. Help Danny complete his research by completing the table below.



Number	First Use	Time Elapsed	Last Use
Danny	8:00 AM	6 hours	2:00 PM
1	8:00 AM		8:00 PM
2	7:00 AM	3 Hours & 30 Minutes	
3		9 Hours	6:00 PM
4	7:30 AM		8:00 PM
5		4 Hours	4:00 PM

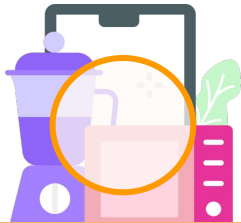


LESSER IS BETTER

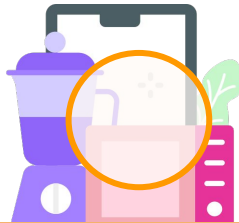
G2
Basic

Earth Hour should not be just about an hour of help for the earth. To help protect our planet, we should take it to heart. Mark a ✓ to the time with the least amount of time passed.

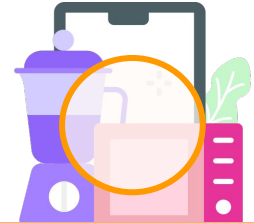
1



8:00AM - 9:00AM



12:00PM - 3:00PM



9:00AM - 1:00PM

2



8:00AM - 9:30AM



7:00AM to 3:00AM



8:30PM to 1:30AM

3



7:00AM - 9:30AM



10:00AM to 3:00PM



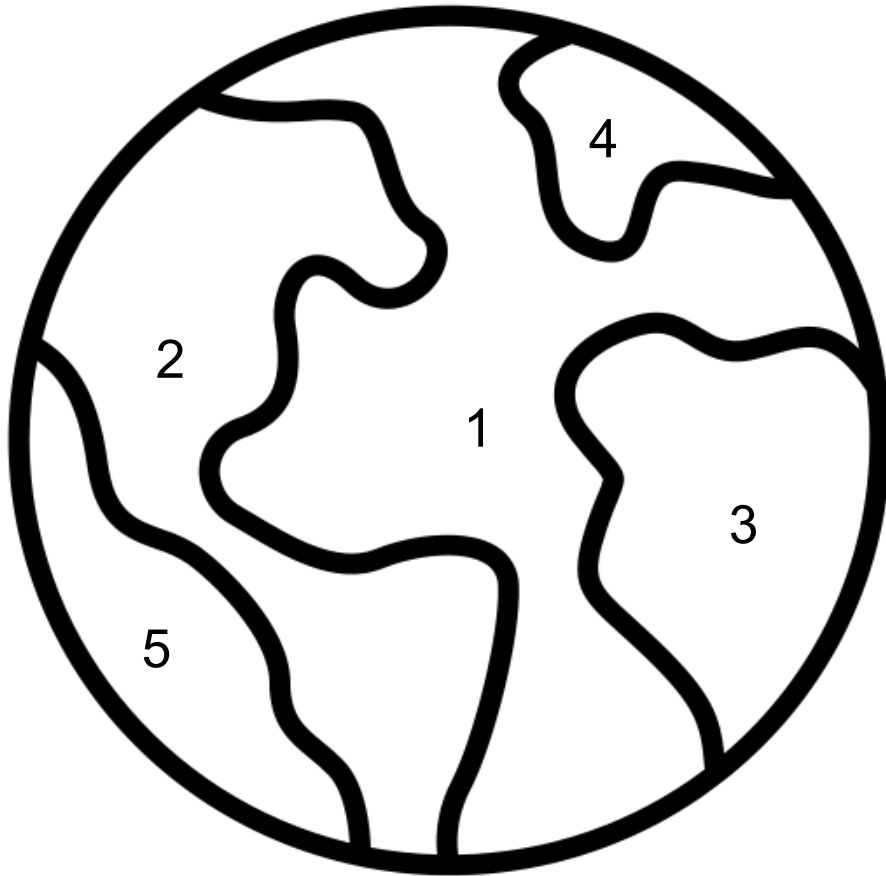
4:30PM to 8:00AM



GIVE COLOR

G3
Advanced

Earth Hour also helps with the rejuvenation of the Earth's color. Color this earth by matching the elapsed time to their respective times and color them according to the legend!



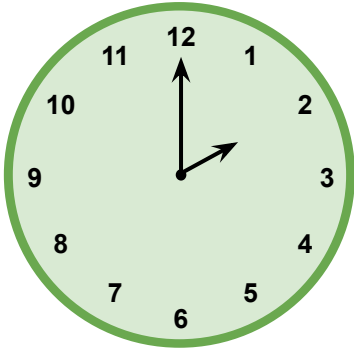
Match These!

- | | |
|--------------------|----------------------------------|
| 1. 10:47 to 1:45 ● | ● 3 hours and 4 minutes (green) |
| 2. 2:33 to 5:37 ● | ● 2 hours 58 minutes (blue) |
| 3. 9:11 to 1:11 ● | ● 5 hours 19 minutes (dark blue) |
| 4. 4:30 to 7:52 ● | ● 3 hours 22 minutes (orange) |
| 5. 11:13 to 4:32 ● | ● 4 hours (brown) |

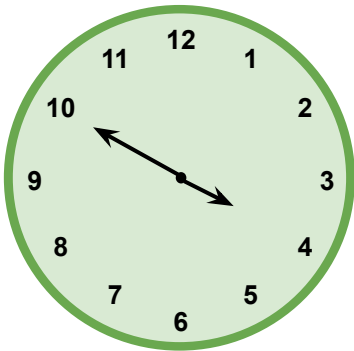
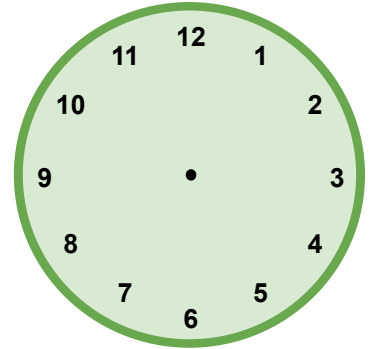


FIX IT

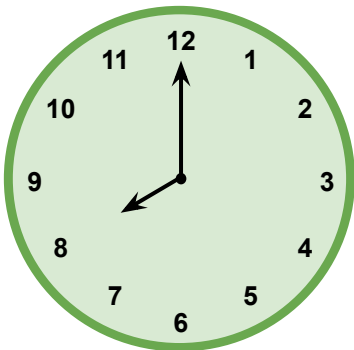
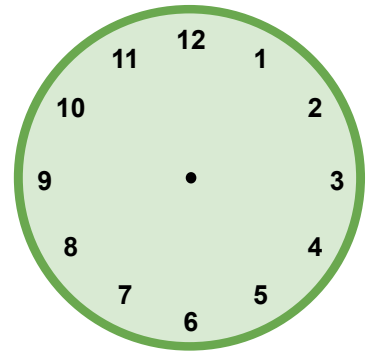
Oh no! The clocks used for the Earth Hour Movement has been moved! Fix the time using the elapsed time and draw on the clock!



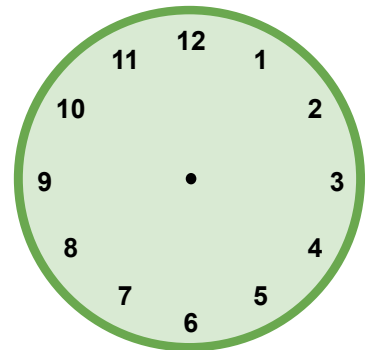
Elapsed Time
9 hours 45 minutes



Elapsed Time
3 hours 15 minutes



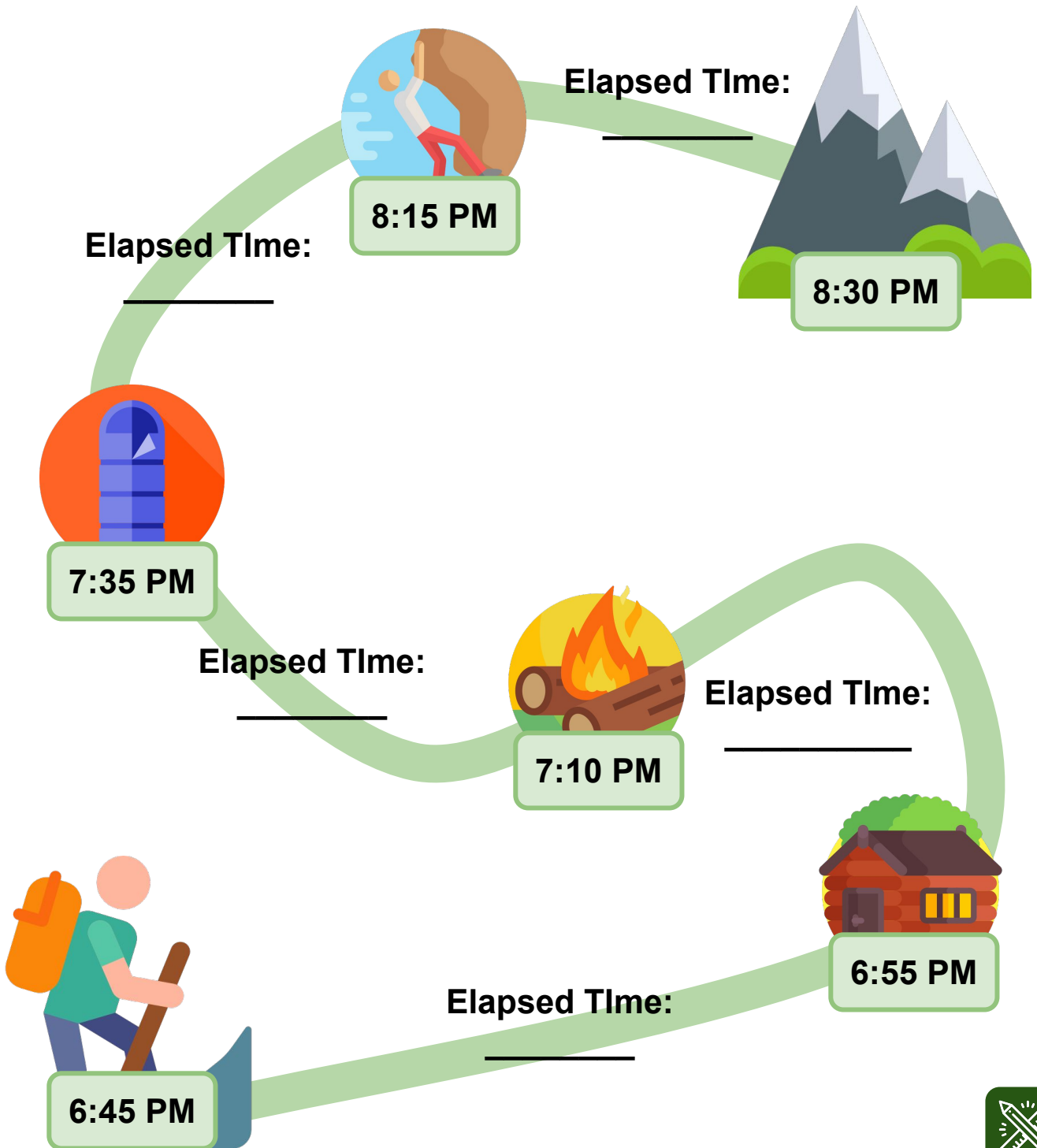
Elapsed Time
5 hours 35 minutes



HIKING FOR A CAUSE

G3
Advanced

Mark's group decided to do a "Hike For A Cause" for Earth Hour! Follow the path they took and determine the elapsed time between their resting spots.



TIME FOR THE MAIN EVENT

G3
Advanced

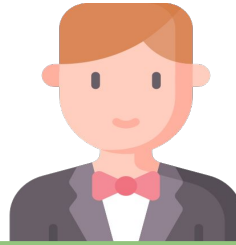
To encourage more people, the event organizer decided to enlist the help of celebrities to help them convince more people. Determine the time difference between when they arrived.



Emelia
6:30 PM



Julie
7:15 PM



Mike
7:27 PM



Emma
8:22 PM

1. What is the time elapsed between Emelia and Emma?

Time Elapsed: _____

2. What is the time elapsed between Julie and Emma?

Time Elapsed: _____

3. What is the time elapsed between Emelia and Mike?

Time Elapsed: _____

4. What is the elapsed time between Mike and Emma?

Time Elapsed: _____



HAPPY EARTH HOUR

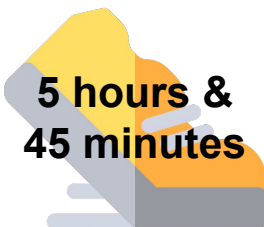
G3
Advanced

Happy Earth Hour, everyone! Let's celebrate this day by helping Mother Earth be better. Go Green, Reduce Reuse Recycle, and have fewer carbon footprints. Answer the questions below to help.

1. To go green, we can reduce our time using our appliances and electronic devices. A regular person often uses their phone for 3 hours and 15 minutes a day. If you use your phone by 7:30 am, what time should you stop using your phone?



2. To also help during Earth hour, you can work up a sweat. One very purposeful way to work up a sweat is to jog! If you start jogging by 5:15 in the morning and you stop jogging by 11:00 AM, what is the time elapsed?



3. Let us reduce, reuse, and recycle. After using a glass jar, you can reuse it again after cleaning and sanitizing it. If you sanitize it by noon, it requires you to sit 4 hours and 15 minutes to completely dry. What time can you use it again?



ANSWER GUIDE

Activity 1

1. 9 hours
2. 7 hours

Activity 3

1. 6 hours 30 minutes
2. 8 hours
3. 9 hours 30 minutes

Activity 5

1. 8:00 AM - 9:00 AM
2. 8:00 AM - 9:30 AM
3. 7:00 AM - 9:30 AM

Activity 7

1. 11:45
2. 1:15
3. 1:35

Activity 9

1. 1 hour 52 minutes
2. 1 hour 7 minutes
3. 57 minutes
4. 55 minutes

Activity 10

1. 10:45 AM
2. 5 hours 45 minutes
3. 4:15 PM

Activity 2

1. 6 hours 30 minutes
2. 3 hours
3. 9 hours

Activity 4

1. 12 hours
2. 10:30AM
3. 9:00 AM
4. 12 hrs 30 mins
5. 12:00 PM

Activity 6

1. 2 hrs 58 minutes, BLUE
2. 3 hrs 4 minutes, GREEN
3. 4 hrs, BROWN
4. 3 hrs 22 minutes, ORANGE
5. 5 hrs 19 minutes, DARK BLUE

Activity 8

1. 10 minutes
2. 15 minutes
3. 25 minutes
4. 40 minutes
5. 15 minutes



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