

Lesson: Elapsed Time

Third Grade Objective 2.01a: Solve problems using measurement concepts and procedures involving elapsed time.

Lesson



Thomas leaves school at 3:15. It takes him 15 minutes to ride home on the school bus. He spends 20 minutes eating a snack and relaxing. It takes him 30 minutes to do his homework. It takes him 1 hour to go to soccer practice and get back home. He takes a shower as soon as he gets home. What time will Thomas take a shower?

- Start at 3:15
- Add 15 minutes for riding home on the school bus. $15 + 15 = 30$. Thomas gets home at 3:30.
- Add 20 minutes for eating a snack and relaxing. $30 + 20 = 50$. Thomas starts his homework at 3:50.
- Add 30 minutes for homework. We're at 3:50 now so let's divide the 30 minutes into 10 minutes and 20 minutes. $50 + 10 = 60$ (3 hours and 60 minutes is the same as 4:00) $4:00 + 20 = 4:20$
- Add an hour for soccer practice and that takes us to 5:20

Jon's class went on a field trip to the North Carolina Zoo. Here is a map of the zoo: <http://www.nczoo.org/common/pdf/printmap.pdf> The class arrived at 9:30. They spent 30 minutes in the Cypress Swamp area, 25 minutes in the Rocky Coast section, 10 minutes at the Garden Friends Playground, 10 minutes at the Black Bear section, 25 minutes at the Prairie section, and 10 more minutes looking at the Wolves. Then the class stopped to have lunch. What time did they get to eat lunch?

- Start at 9:30. Add 30 minutes for the Cypress Swamp area. Now we're at 10:00.
- Add 25 minutes for the Rocky Coast section. Now we're at 10:25.
- Add 10 minutes for the Garden Friends Playground. Now we're at 10:35.
- Add 10 minutes for the Black Bear section. Now we're at 10:45.
- Add 25 minutes for the Prairie section. Now we're at 11:10.
- Add 10 minutes for the wolves. Now we're at 11:20.

Now You Try!

1. Bryce mowed lawns for 30 minutes on Saturday, 42 minutes on Sunday, 23 minutes on Tuesday and 20 minutes on Thursday. How long did he spend mowing lawns this week?

2. Mrs. Fields looks at the clock before her class leaves the room for recess.



It's 10:27. It takes 3 minutes to get outside and get started on a game. The class plays for 25 minutes, then takes 7 minutes to stop by the bathroom and get ready for lunch. It takes 6 minutes to get through the cafeteria line and to the lunch table. What time do Mrs. Fields' students start eating lunch?

3. You make a CD of your favorite songs. Your playlist includes 8 songs and the entire CD lasts 38 minutes. Create a playlist for your CD.

Song Title	Song Length
1)	
2)	
3)	
4)	
5)	
6)	
7)	
8)	
	Total length of CD – 38 minutes

Check Your Answers

1. Bryce mowed lawns for 30 minutes on Saturday, 42 minutes on Sunday, 23 minutes on Tuesday and 20 minutes on Thursday. How long did he spend mowing lawns this week?

$$30 + 42 = 1 \text{ hour, } 12 \text{ minutes}$$

$$1 \text{ hour, } 12 \text{ minutes} + 23 \text{ minutes} = 1 \text{ hour } 35 \text{ minutes}$$

$$1 \text{ hour, } 25 \text{ minutes} + 20 \text{ minutes} = 1 \text{ hour, } 45 \text{ minutes}$$

2. Mrs. Fields looks at the clock before her class leaves the room for recess. It's 10:27. It takes 3 minutes to get outside and get started on a game. The class plays for 25 minutes, then takes 7 minutes to stop by the bathroom and get ready for lunch. It takes 6 minutes to get through the cafeteria line and to the lunch table. What time do Mrs. Fields' students start eating lunch?

$$10:27 + 3 \text{ minutes} = 10:30 + 25 \text{ minutes} = 10:55 + 7 \text{ minutes} = 11:02 + 6 \text{ minutes} = 11:08$$