



Resource Guide

Time is Math

Additional Problems to Solve:

1. What time would you need to wake up in the morning?
You take 15 minutes to shower, 10 minutes to make your bed and straighten your room, 5 minutes to dress, 10 minutes to brush your hair and your teeth, 20 minutes to eat breakfast, and 10 minutes to walk to the bus and the bus comes to your stop at 7:25 a.m.
2. You love to sing and listen to music. After school, you put on your headphones and enjoy music, especially after band practice. The late bus leaves at 4:05 p.m. Band practice ends at 3:45. You take 10 minutes to put up your music, go to your locker, and get to the bus. You have missed the bus several times because you got lost in the music. What time do you need to be at the bus to

ensure you don't miss it? How can you alert yourself to get to the bus?

3. You are in charge of decorations for the party. People are depending on you to have everything ready when the event begins at 5:30 p.m. You need to get the following completed:

- Blow up 40 balloons and make the photo arch
1 ½ hours
- Put tablecloths on the 6 tables and add fresh flowers in vases. 15 minutes
- Cut the flowers and add to the vases. 20 minutes
- Make and put up signs to show where to go when they enter the building. 20 minutes
- Hang the banners and crepe paper from the ceiling tiles. 45 minutes
- Hang the small lights over the table area. 30 minutes before the tables are in place
- Ensure the microphone and speakers are working. 15 minutes

If you have to work by yourself, when do you have to start?

If you have one additional helper, when do the two of you need to begin?

If you have three people working together, when do the three of you need to start?

Note: There are a variety of ways to get these tasks done. The important part is that you create a schedule so people

are not trying to hang lights and set up tables at the same time or other issues that will cause rework or be dangerous.

4. You need to:

- Purchase the food for dinner. 40 minutes
- Prepare a menu. 10 minutes
- Get a ride to the store and back with your mom. 20 minutes
- Go to soccer practice. 2 hours
- Help your mom prepare the food. 1 ½ hours
- Set the table. 10 minutes

Additional information

- Dinner should be ready at 5:30 p.m.
- Soccer practice starts at 2:00 p.m.

Create a schedule to show at least one way you can accomplish all the tasks.

5. Determine when you should be home after school.

- Football practice runs from 3:00 to 5:00 p.m.
- Study for the science test with Jaime for 1 hour.
- Dinner lasts 40 minutes.
- It takes 20 minutes to go from Jaime's house to your house.
- It takes 15 minutes to go from practice to Jaime's house.

6. How long does each event last?

- The movie begins at 4:05 p.m. and ends at 5:50 p.m.
- The concert begins at 7:00 p.m. and ends at 9:20 p.m.
- The band plays from 9:30 p.m. to 12:15 a.m.
- The camping trip begins Friday at 6 p.m. and ends Sunday at 9:00 a.m.