

# Understanding Time Frames

## FIGURING STARTING TIMES

A time frame is a span of minutes or hours. Read each situation below and think about the time frame involved. Decide what time the person needs to leave home. Use a piece of scratch paper to create time lines, work the math problems, or list the times.



**D**onald wants to be on the bus that leaves the bus station at 5:45 a.m. He lives 30 minutes away. It will take him about 5 minutes to park his van and another 10 minutes to buy a bus ticket.

**TIME TO LEAVE HOME:**

**W**anda's softball game starts at 6:30 p.m. Warm-ups start at 6:00 p.m. She is planning to go 10 minutes out of her way to grab a burger. Wanda lives 15 minutes from the ball field.

**TIME TO LEAVE HOME:**

**S**arah has 4 errands to run. She needs to be home by 7:00 p.m. It will take her 15 minutes to drive downtown. Each of the errands will take her about 5 minutes. She then has to drive back home.

**TIME TO LEAVE HOME:**

**M**iguel lives 20 minutes from the restaurant where he works. Before going to work, he has to change into his uniform. This takes him about 5 minutes. Miguel's shift at the restaurant begins at 5:45 p.m.

**TIME TO LEAVE HOME:**

**T**he play begins at 8:00 p.m. Glenda and Jo want to be seated 15 minutes before curtain time. It will take 30 minutes to drive there, 10 minutes to find a parking space, and 10 minutes to buy their tickets.

**TIME TO LEAVE HOME:**

**A**fter picking up George, Seth's drive to the movie theater will take 10 minutes. George lives 5 minutes from Seth. It will take 15 minutes to park and buy their tickets. The movie begins at 2:10 p.m.

**TIME TO LEAVE HOME:**

**B**onnie lives 17 minutes from school. Her mother always drops her off in front of the main office. Heading left from the office, it takes 3 minutes to reach her locker. Bonnie's class is 3 minutes to the right of the office. School begins at 7:40 a.m.

**TIME TO LEAVE HOME:**

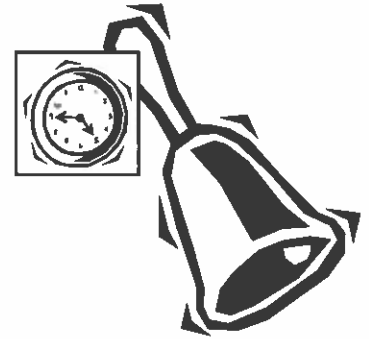
**L**ewis has a doctor's appointment at 10:15 a.m. He has to stop at the lab for some tests before seeing the doctor. The lab tests will take about 15 minutes, but the wait at the lab averages 40 minutes. Lewis lives 25 minutes from the clinic.

**TIME TO LEAVE HOME:**

# Understanding Time Frames

## FIGURING FINISHING TIMES

**Read** each situation below, think about the time frame involved, and answer the question that follows. Use a piece of scratch paper to create time lines, work the math problems, or list the times.



The tardy bell at school rings at 7:42 a.m. Chuck needs to spend five minutes in the office, two minutes at his locker, and ten minutes in the band room. He lives 13 minutes from school. Chuck wants to beat the tardy bell by two minutes.

Will Chuck make it by leaving home at 7:15 a.m.?

It is now 5:00 p.m. Elsa wants to spend 40 minutes at the library. Before leaving for the library, she needs to do a search on the Internet. The search will take about an hour. The library is a 15 minute drive from her house.

When will Elsa be finished at the library?

The school day ends at 3:20 p.m. Football practice begins at 4:15 p.m. Before practice, Sergio has to run home (10 minutes east of the school), drop his mother off at a friend's house (5 minutes east of their house), and stop at the drugstore (10 minutes east of the friend's house). It will take him about 5 minutes to make a purchase at the drugstore. From there, the football field is 17 minutes away.

Will Sergio arrive at football practice on time?

A technician is picking up Anita's computer at 11:25 a.m. It is now 10:30 a.m. She wants to type three letters before the repair person arrives. Each letter will take about 15 minutes. Anita needs 10 minutes to put the computer in a box.

How much time will Anita have to spare?

At 2:00 p.m. today, tickets go on sale at the theater box office. In order to be the first person in line, Robbie needs to be there at least four hours ahead of time. It is 8:15 a.m. She needs 20 minutes to run to the bank for cash. It will take her another 10 minutes to drive from the bank to the box office.

What time should Robbie leave her house?

Eloise begins making a birthday cake at 6:00 p.m. After the cake has cooled for two hours, she will need another 20 minutes to add the frosting. The cake needs to bake for 40 minutes, and mixing the batter takes about 15 minutes.

What time will Eloise's cake be ready?