



Name \_\_\_\_\_

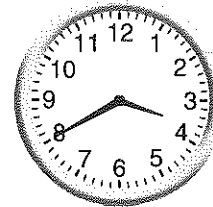
## 18.1 Measure Time Intervals

Find the elapsed time.

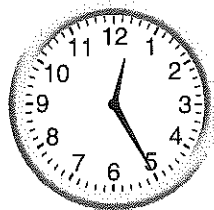
1. Start: 1:10 A.M.      End: 1:55 A.M.



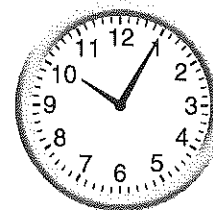
2. Start: 3:40 P.M.      End: 4:15 P.M.



3. Start: 12:25 A.M.      End: 12:51 A.M.



4. Start: 10:05 A.M.      End: 10:55 A.M.



### Problem Solving



5. Dane started running at half past three in the afternoon. He stopped running at ten minutes after four. How long did Dane run?

6. **Multi-Step** Myoshi began making dinner at 5:25 P.M. He finished making dinner at 6:07 P.M. He served dinner to his guests from 7:10 P.M. until 7:33 P.M. How long did it take Myoshi to make and serve dinner?

Fill in the bubble completely to show your answer.

7. Mr. Divak leaves for work at 8:15 A.M. He gets to work at 8:33 A.M. How long does it take Mr. Divak to get to work?
- (A) 18 minutes  
(B) 23 minutes  
(C) 15 minutes  
(D) 28 minutes
9. Art class begins at 1:30 P.M. It ends at 2:13 P.M. How long does art class last?
- (A) 53 minutes  
(B) 33 minutes  
(C) 30 minutes  
(D) 43 minutes
11. **Multi-Step** Ben gets on a bus at Main Street at 10:13 A.M. The bus arrives at Elm Street at 10:27 A.M. It waits for 10 minutes. Then it arrives at Broadway at 10:50 A.M. How long is Ben on the bus if he rides from Main Street to Broadway?
- (A) 37 minutes  
(B) 14 minutes  
(C) 27 minutes  
(D) 42 minutes
8. Cara started her homework at 6:10 P.M. She finished at 6:49 P.M. How long did it take Cara to do her homework?
- (A) 49 minutes  
(B) 40 minutes  
(C) 39 minutes  
(D) 59 minutes
10. A TV shows starts at 5:03 P.M. It lasts 55 minutes. What time does the show end?
- (A) 6:00 P.M.  
(B) 4:58 P.M.  
(C) 5:58 P.M.  
(D) 4:47 P.M.
12. **Multi-Step** Marcella works on her art project from 4:10 P.M. to 4:35 P.M. Then she takes a break. She continues to work on her project from 6:25 P.M. to 6:43 P.M. How long does Marcella work on her art project?
- (A) 43 minutes  
(B) 33 minutes  
(C) 55 minutes  
(D) 25 minutes



Name \_\_\_\_\_

## 18.2 Use Time Intervals

Find the ending time.

- Starting time: 5:10 P.M.  
Elapsed time: Read: 15 minutes  
Homework: 23 minutes
- Starting time: 10:50 A.M.  
Elapsed time: Swim: 20 minutes  
Snack: 14 minutes



### Problem Solving



Use the table for 3–5.

- Multi-Step** Serena gets off the bus at New Bridge. From there she walks for 15 minutes to the grocery store. She shops for 23 minutes. What time does Serena finish shopping?

| Bus Schedule |            |
|--------------|------------|
| Town         | Time       |
| Bear Falls   | 9:20 A.M.  |
| Little Creek | 9:45 A.M.  |
| New Bridge   | 10:15 A.M. |
| Ellenville   | 10:37 A.M. |
| Newton       | 11:05 A.M. |

- Multi-Step** Terrence rides the bus from Little Creek to New Bridge. Janey rides the bus from Ellenville to Newton. Who has a longer ride on the bus? Explain.
- Multi-Step** It takes Niles 15 minutes to walk from his house to the bus stop at Little Creek. He waits for 12 minutes before the bus picks him up. What time did Niles leave his house?

Fill in the bubble completely to show your answer.

6. Sara has soccer practice at 4:15 P.M. It takes her 35 minutes to get to soccer practice from her house. At what time does Sara leave for soccer practice?
- (A) 3:40 P.M.  
(B) 4:50 P.M.  
(C) 3:45 P.M.  
(D) 4:00 P.M.
7. Alana starts her homework at 5:23 P.M. It takes her 40 minutes to complete her homework. At what time does Alana finish doing her homework?
- (A) 5:53 P.M.  
(B) 5:40 P.M.  
(C) 4:43 P.M.  
(D) 6:03 P.M.
8. Sissy starts practicing her violin at 3:30 P.M. She practices for 45 minutes. At what time does Sissy finish practicing her violin?
- (A) 2:45 P.M.  
(B) 4:15 P.M.  
(C) 4:30 P.M.  
(D) 3:45 P.M.
9. Oswald gets on the bus for school at 8:25 A.M. It takes him 13 minutes to walk to the bus stop. What time does Oswald leave his house for the bus?
- (A) 8:38 A.M.  
(B) 8:12 A.M.  
(C) 8:13 A.M.  
(D) 8:30 A.M.
10. **Multi-Step** Vera starts reading her book at 11:15 A.M. She finishes reading at 11:43 A.M. Wade finishes reading his book at 11:30 A.M. Both children read for the same amount of time. At what time did Wade start reading his book?
- (A) 11:12 A.M.  
(B) 11:28 A.M.  
(C) 11:02 A.M.  
(D) 11:20 A.M.
11. **Multi-Step** Paco gets on the bus at 7:45 A.M. He arrives at school at 8:10 A.M. Milos gets on the bus at 8:05 A.M. and arrives at school at 8:18 A.M. For how many more minutes does Paco ride the bus than Milos?
- (A) 13 minutes  
(B) 25 minutes  
(C) 12 minutes  
(D) 20 minutes



Name \_\_\_\_\_

## 18.3 PROBLEM SOLVING • Time Intervals

1. Mr. Tani gets out of work at 4:30 P.M. It takes him 20 minutes to drive home. Then he spends 15 minutes walking his dog. He spends 7 minutes opening the mail. Then he cooks dinner for 23 minutes. At what time does Mr. Tani finish cooking dinner?



2. Kachina is going to a concert that begins at 7:30 P.M. She needs to arrive at the ticket window 15 minutes before the concert to get her ticket. It takes Kachina 35 minutes to ride to the concert, then 10 minutes to park the car. At what time should Kachina leave for the concert?



### Problem Solving

3. **Multi-Step** When Elston got to day camp, he played kickball for 15 minutes. Then he went to play rehearsal for 33 minutes. He finished the rehearsal at 10:18 A.M. What time did Elston get to day camp?
4. **Multi-Step** Danielle gets on the subway at 1:40 P.M. She rides for 17 minutes. Then she walks to her apartment for 18 minutes. At what time does Danielle arrive at her apartment?

Fill in the bubble completely to show your answer.

5. **Multi-Step** Reading group begins at 10:15 A.M. and lasts for 25 minutes. Math class begins 8 minutes after reading group ends. What time does Math class begin?
- (A) 10:40 A.M.  
(B) 10:58 A.M.  
(C) 10:48 A.M.  
(D) 10:45 A.M.
7. **Multi-Step** Martin is at the playground from 3:20 P.M. to 4:10 P.M. He plays on the swings for 14 minutes and then on the monkey bars for 12 minutes. Then he plays tag with friends. How much time does Martin play tag?
- (A) 36 minutes  
(B) 24 minutes  
(C) 28 minutes  
(D) 34 minutes
9. **Multi-Step** Evan begins homework at 4:05 P.M. He works on math for 16 minutes and spelling for 15 minutes. Then he works on an art project for 21 minutes. What time does Evan finish his homework?
- (A) 4:57 P.M.                      (C) 4:52 P.M.  
(B) 4:36 P.M.                      (D) 4:41 P.M.
6. **Multi-Step** A ballgame starts at 7:10 P.M. The Lewis family needs 45 minutes to get to the stadium and 12 minutes to walk to their seats. At what time should the Lewis family leave for the ballgame?
- (A) 6:10 P.M.  
(B) 6:10 P.M.  
(C) 6:10 P.M.  
(D) 6:13 P.M.
8. **Multi-Step** Theresa is in her yard from 2:10 P.M. to 3:05 P.M. She plants flowers for 15 minutes and waters them for 22 minutes. Then she trims some bushes. How much time does she spend trimming bushes?
- (A) 40 minutes  
(B) 33 minutes  
(C) 18 minutes  
(D) 28 minutes
10. **Multi-Step** When Basil arrived at the gym, he spent 28 minutes lifting weights and 20 minutes running. Then he had a juice drink for 10 minutes. He left the gym at 11:35 A.M. What time did Basil get to the gym?
- (A) 10:27 A.M.                      (C) 10:37 A.M.  
(B) 10:35 A.M.                      (D) 10:45 A.M.