

Time Trek

Find how long each event lasts.

GRADE 4 • 4.MG.2.a.i

4.MG.2.a.i "Solve single-step and multistep contextual problems involving elapsed time in hours and minutes, within a 12-hour period (within a.m., within p.m., and across a.m. and p.m.) when given: the starting time and the ending time..."

NAME _____

DATE _____

FIND ELAPSED TIME

To find elapsed time, count forward from the start time to the end time. You can break the time into parts, such as from the start time to the next hour, then count the hours and minutes left.

WORKED EXAMPLE

A library visit starts at 2:18 p.m. and ends at 5:47 p.m. How much time passes?

- 18 p.m. to 3:00 p.m. = 42 minutes.
- 00 p.m. to 5:00 p.m. = 2 hours.
- 00 p.m. to 5:47 p.m. = 47 minutes.
- 42 minutes + 47 minutes = 1 hour 29 minutes.

Answer: 3 hours 29 minutes

PRACTICE 6 problems

- 1** How much time passes from 7:25 a.m. to 9:10 a.m.?

ANSWER _____

- 2** How much time passes from 10:40 a.m. to 12:05 p.m.?

ANSWER _____

- 3** How much time passes from 1:50 p.m. to 4:20 p.m.?

ANSWER _____

- 4** How much time passes from 8:15 p.m. to 11:00 p.m.?

ANSWER _____

- 5** How much time passes from 11:35 a.m. to 2:15 p.m.?

ANSWER _____

- 6** How much time passes from 6:05 a.m. to 6:50 a.m.?

ANSWER _____

APPLY IT Show your work

- 1** Jordan's soccer practice begins at 3:35 p.m. and ends at 5:10 p.m. How long is practice?

WORK SPACE

ANSWER _____

- 2** A science museum program starts at 11:45 a.m. and ends at 1:20 p.m. How long does the program last?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A robotics club meeting starts at 9:25 a.m. A snack break begins at 10:10 a.m. and ends at 10:28 a.m. The meeting ends at 11:05 a.m. How much time do students spend working on robots, not counting the snack break?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	How much time passes from 7:25 a.m. to 9:10 a.m.?	1 hour 45 minutes
2	How much time passes from 10:40 a.m. to 12:05 p.m.?	1 hour 25 minutes
3	How much time passes from 1:50 p.m. to 4:20 p.m.?	2 hours 30 minutes
4	How much time passes from 8:15 p.m. to 11:00 p.m.?	2 hours 45 minutes
5	How much time passes from 11:35 a.m. to 2:15 p.m.?	2 hours 40 minutes
6	How much time passes from 6:05 a.m. to 6:50 a.m.?	45 minutes

PART 2 • APPLY IT

- 1 hour 35 minutes** Count from 3:35 p.m. to 4:35 p.m. for 1 hour, then from 4:35 p.m. to 5:10 p.m. for 35 minutes.
- 1 hour 35 minutes** Count 15 minutes from 11:45 a.m. to 12:00 p.m., then 1 hour 20 minutes from 12:00 p.m. to 1:20 p.m.

CHALLENGE

1 hour 22 minutes

Accept equivalent labels such as 1 hr 45 min for 1 hour 45 minutes. For the challenge, the full meeting is 1 hour 40 minutes, and the 18-minute snack break is subtracted.