

Time Travel Back

Find the starting time by counting backward.

GRADE 3 • 3.MG.3.c.iii

3.MG.3.c.iii "Solve single-step contextual problems involving elapsed time in one-hour increments, within a 12-hour period (within a.m. or within p.m.) when given: the ending time and the amount of elapsed time in one-hour increments..."

NAME _____

DATE _____

COUNT BACKWARD

To find a starting time, count backward from the ending time by the number of hours that passed. Keep the same a.m. or p.m. when the time stays in the same part of the day.

WORKED EXAMPLE

A game ends at 10 p.m. It lasted 3 hours. What time did it start?

1. Ending time: 10 p.m.
2. Count back 3 hours: 9 p.m., 8 p.m., 7 p.m.
3. The time stays in the evening, so it is still p.m.

Answer: 7 p.m.

PRACTICE 6 problems

- 1** The ending time is 8 a.m. The elapsed time is 2 hours. What is the starting time?

ANSWER _____

- 2** The ending time is 9 p.m. The elapsed time is 4 hours. What is the starting time?

ANSWER _____

- 3** The ending time is 6 a.m. The elapsed time is 5 hours. What is the starting time?

ANSWER _____

- 4** The ending time is 11 p.m. The elapsed time is 2 hours. What is the starting time?

ANSWER _____

- 5** The ending time is 5 p.m. The elapsed time is 4 hours. What is the starting time?

ANSWER _____

- 6** The ending time is 9 a.m. The elapsed time is 8 hours. What is the starting time?

ANSWER _____

APPLY IT Show your work

- 1** The school art fair ends at 9 p.m. It lasts 5 hours. What time did the art fair begin?

WORK SPACE

ANSWER _____

- 2** An overnight meteor-watch event ends at 8 a.m. It lasts 6 hours. What time did the event begin?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A class ends at 11 a.m. and lasts 5 hours. What time did it start? Explain by writing one sentence that tells how you counted backward.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	The ending time is 8 a.m. The elapsed time is 2 hours. What is the starting time?	6 a.m.
2	The ending time is 9 p.m. The elapsed time is 4 hours. What is the starting time?	5 p.m.
3	The ending time is 6 a.m. The elapsed time is 5 hours. What is the starting time?	1 a.m.
4	The ending time is 11 p.m. The elapsed time is 2 hours. What is the starting time?	9 p.m.
5	The ending time is 5 p.m. The elapsed time is 4 hours. What is the starting time?	1 p.m.
6	The ending time is 9 a.m. The elapsed time is 8 hours. What is the starting time?	1 a.m.

PART 2 • APPLY IT

1. **4 p.m.** Count back 5 hours from 9 p.m. The art fair began at 4 p.m.
2. **2 a.m.** Count back 6 hours from 8 a.m. The event began at 2 a.m.

CHALLENGE

It started at 6 a.m. because counting back 5 hours from 11 a.m. gives 6 a.m.

Accept a.m. and p.m. written in uppercase, such as AM or PM. For the challenge, accept any one-sentence explanation that correctly states 6 a.m. and counting backward 5 hours from 11 a.m.