LESSON MAKER PRO

Time Travel Backward

Find the time when each event began.

GRADE 4 · 4.MG.2.a.iii

4.MG.2.a.iii "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..."

NAME _____ DATE _____

COUNT BACK TO START

To find a starting time, count backward from the ending time. Subtract the minutes first, then subtract the hours. If you do not have enough minutes, trade 1 hour for 60 minutes.

WORKED EXAMPLE

A show ended at 8:47 p.m. after lasting 2 hours 18 minutes. What time did it start?

1. 8:47 p.m. - 18 minutes = 8:29 p.m.
2. 8:29 p.m. - 2 hours = 6:29 p.m.
3. Check: 6:29 p.m. + 2 hours 18 minutes = 8:47 p.m.

Answer: 6:29 p.m.

PRACTICE 6 problems

1 A game ended at 9:15 a.m. It lasted 1 hour 26 minutes. What time did it start?

ANSWER _____

2 A class ended at 3:40 p.m. It lasted 2 hours 35 minutes. What time did it start?

ANSWER _____

3 A lunch event ended at 12:20 p.m. It lasted 45 minutes. What time did it start?

ANSWER _____

4 A sleepover ended at 1:10 a.m. It lasted 1 hour 30 minutes. What time did it start?

ANSWER _____

5 A practice ended at 7:05 p.m. It lasted 3 hours 50 minutes. What time did it start?

ANSWER _____

6 A museum visit ended at 10:00 a.m. It lasted 4 hours 25 minutes. What time did it start?

ANSWER _____

APPLY IT Show your work

1 The school robotics showcase ended at 6:25 p.m. Maya's team's presentation and setup time lasted 1 hour 48 minutes. What time did Maya's team begin?

WORK SPACE

ANSWER _____

2 A library comic-book event ended at 12:05 p.m. Jordan stayed for 2 hours 27 minutes. What time did Jordan arrive?

WORK SPACE

ANSWER _____

CHALLENGE One step up

A video game club meeting ended at 1:05 p.m. The meeting included a 1 hour 35 minute game session and a 45-minute strategy review. What time did the game session begin?

WORK SPACE AND ANSWER

ANSWER KEY

Time Travel Backward

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	A game ended at 9:15 a.m. It lasted 1 hour 26 minutes. What time did it start?	**7:49 a.m.**
2	A class ended at 3:40 p.m. It lasted 2 hours 35 minutes. What time did it start?	**1:05 p.m.**
3	A lunch event ended at 12:20 p.m. It lasted 45 minutes. What time did it start?	**11:35 a.m.**
4	A sleepover ended at 1:10 a.m. It lasted 1 hour 30 minutes. What time did it start?	**11:40 p.m.**
5	A practice ended at 7:05 p.m. It lasted 3 hours 50 minutes. What time did it start?	**3:15 p.m.**
6	A museum visit ended at 10:00 a.m. It lasted 4 hours 25 minutes. What time did it start?	**5:35 a.m.**

PART 2 · APPLY IT

1. **4:37 p.m.** Count back 48 minutes from 6:25 p.m. to get 5:37 p.m. Then count back 1 hour to get 4:37 p.m.
2. **9:38 a.m.** Count back 27 minutes from 12:05 p.m. to get 11:38 a.m. Then count back 2 hours to get 9:38 a.m.

CHALLENGE

10:45 a.m.

Accept times written with a.m./p.m. or AM/PM. Students may count backward in a different order if their starting time is correct.