

Time Travel Clock

Add hours and minutes to find an ending time.

GRADE 4 • 4.MG.2.a.ii

4.MG.2.a.ii "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 _____

FIND THE ENDING TIME

Add the minutes first. If the minutes total 60 or more, trade 60 minutes for 1 hour, then add the hours and check whether the time passes noon.

WORKED EXAMPLE

A hike starts at 8:57 a.m. and lasts 2 hours 26 minutes. What time does it end?

1. Add minutes: $57 + 26 = 83$ minutes.
2. Trade 60 minutes for 1 hour: 83 minutes = 1 hour 23 minutes.
3. Add hours: $8 + 2 + 1 = 11$.

Answer: 11:23 a.m.

PRACTICE 6 problems

- 1** Start time: 7:15 a.m. Elapsed time: 1 hour 20 minutes. What is the ending time?

ANSWER _____

- 2** Start time: 10:42 a.m. Elapsed time: 2 hours 35 minutes. What is the ending time?

ANSWER _____

- 3** Start time: 1:08 p.m. Elapsed time: 3 hours 47 minutes. What is the ending time?

ANSWER _____

- 4** Start time: 9:50 p.m. Elapsed time: 1 hour 25 minutes. What is the ending time?

ANSWER _____

- 5** Start time: 11:36 a.m. Elapsed time: 45 minutes. What is the ending time?

ANSWER _____

- 6** Start time: 6:24 a.m. Elapsed time: 4 hours 11 minutes. What is the ending time?

ANSWER _____

APPLY IT Show your work

- 1** The school robotics club begins building at 11:48 a.m. The building session lasts 2 hours 37 minutes. What time does the session end?

WORK SPACE

ANSWER _____

- 2** A family movie starts at 6:35 p.m. It lasts 2 hours 48 minutes. What time does the movie end?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A game design workshop starts at 9:27 a.m. You work for 1 hour 46 minutes, take a 35-minute snack break, and then work for 2 hours 19 minutes. What time does the workshop end?

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Start time: 7:15 a.m. Elapsed time: 1 hour 20 minutes. What is the ending time?	8:35 a.m.
2	Start time: 10:42 a.m. Elapsed time: 2 hours 35 minutes. What is the ending time?	1:17 p.m.
3	Start time: 1:08 p.m. Elapsed time: 3 hours 47 minutes. What is the ending time?	4:55 p.m.
4	Start time: 9:50 p.m. Elapsed time: 1 hour 25 minutes. What is the ending time?	11:15 p.m.
5	Start time: 11:36 a.m. Elapsed time: 45 minutes. What is the ending time?	12:21 p.m.
6	Start time: 6:24 a.m. Elapsed time: 4 hours 11 minutes. What is the ending time?	10:35 a.m.

PART 2 • APPLY IT

1. **2:25 p.m.** Add 37 minutes to 48 minutes to get 85 minutes, or 1 hour 25 minutes. Add the extra hour to 11:48 a.m., then add 2 more hours.
2. **9:23 p.m.** Add 48 minutes to 35 minutes to get 83 minutes, or 1 hour 23 minutes. Add 2 hours and the regrouped hour to 6:35 p.m.

CHALLENGE**2:07 p.m.**

Accept equivalent time notation with or without a space before a.m. or p.m. Require the correct a.m. or p.m. label and a leading zero in the minutes when needed.