

Clock Time Quest

Read clocks and solve time stories.

GRADE 3 • 3.MG.3

3.MG.3 "The student will demonstrate an understanding of the concept of time to the nearest minute and solve single-step contextual problems involving elapsed time in one-hour increments within a 12-hour period..."

NAME _____

DATE _____

READ AND MOVE TIME

The minute hand tells how many minutes have passed after the hour. The hour hand moves between two numbers as the minutes pass. When you add or subtract whole hours, the minutes stay the same.

WORKED EXAMPLE

A movie starts at 2:26 p.m. and lasts 4 hours. What time does it end?

1. Start at 2:26 p.m.
2. Add 1 hour four times: 3:26, 4:26, 5:26, 6:26.
3. Keep the 26 minutes the same.

Answer: 6:26 p.m.

PRACTICE 6 problems

- 1** Clock A has its minute hand on the 14th minute mark after 12. Its hour hand is just past 8. Write the digital time.

ANSWER _____

- 2** A digital clock shows 11:47. Describe where the hands belong on an analog clock.

ANSWER _____

- 3** Clock B has its minute hand on the 9. Its hour hand is between 6 and 7. Write the time in digital form.

ANSWER _____

- 4** Write 4:38 in words.

ANSWER _____

- 5** A reading time starts at 1:18 p.m. and ends at 5:18 p.m. How much time has elapsed?

ANSWER _____

- 6** A club meeting ends at 7:32 p.m. It lasted 2 hours. What time did it start?

ANSWER _____

APPLY IT Show your work

- 1** Jada's soccer practice begins at 3:41 p.m. and ends at 6:41 p.m. How long is practice?

WORK SPACE

ANSWER _____

- 2** A video game tournament starts at 6:42 p.m. and lasts 4 hours. What time does it end?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

Clock C shows 3:52 p.m. The minute hand is on the 52nd minute mark, and the hour hand is between 3 and 4. A robot show starts 4 hours later. What time does the show start? Explain why the minutes do not change.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Clock A has its minute hand on the 14th minute mark after 12. Its hour hand is just past 8. Write the digital time.	8:14
2	A digital clock shows 11:47. Describe where the hands belong on an analog clock.	The minute hand is on the 47th minute mark after 12, and the hour hand is between 11 and 12, close to 12.
3	Clock B has its minute hand on the 9. Its hour hand is between 6 and 7. Write the time in digital form.	6:45
4	Write 4:38 in words.	four thirty-eight
5	A reading time starts at 1:18 p.m. and ends at 5:18 p.m. How much time has elapsed?	4 hours
6	A club meeting ends at 7:32 p.m. It lasted 2 hours. What time did it start?	5:32 p.m.

PART 2 • APPLY IT

1. **3 hours** The minutes are the same. Count from 3 p.m. to 6 p.m., which is 3 hours.
2. **10:42 p.m.** Add 4 hours to 6:42 p.m. The minutes stay at 42.

CHALLENGE

7:52 p.m. The minutes do not change because 4 whole hours are added.

Accept times written with or without a.m. or p.m. when the prompt does not name a time period. For analog-clock descriptions, accept equivalent wording that correctly places the minute hand and the hour hand between the correct numbers.