

Clock Time Quest

Read minute ticks and connect analog and digital time.

GRADE 3 • MA.3.M.2.1

MA.3.M.2.1 "Using analog and digital clocks tell and write time to the nearest minute using a.m. and p.m. appropriately."

NAME _____

DATE _____

READ, REASON AND EXPLAIN

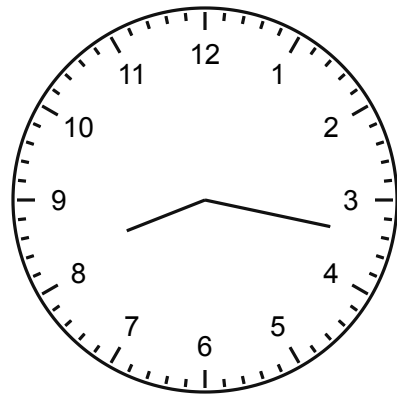
The shorter hand shows the hour; it moves gradually toward the next hour. The longer hand shows minutes: each small tick is 1 minute. Midnight is 12:00 a.m. Morning is a.m.; noon is 12:00 p.m. Afternoon and evening are p.m.

WORKED EXAMPLE

This clock shows the time before morning class. Write the time with a.m. or p.m.

1. The short hour hand is between 8 and 9.
2. Count 17 minute ticks with the longer hand.
3. Morning before noon uses a.m.

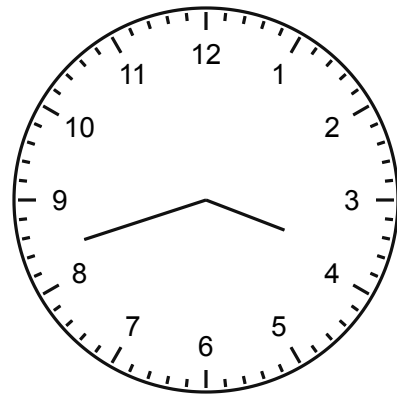
Answer: 8:17 a.m.



PRACTICE 4 problems

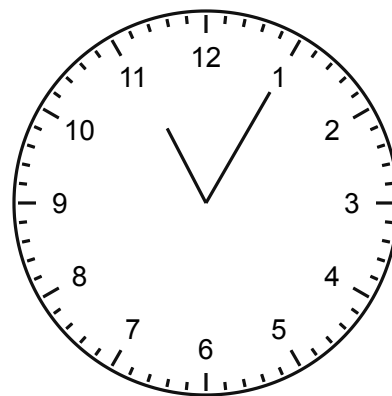
- 1** This is the afternoon time for a game. Read the analog clock and write the time with a.m. or p.m.

ANSWER _____



- 2** This clock shows a time before lunch and before noon. Write the time with a.m. or p.m.

ANSWER _____



- 3** A digital clock shows 6:29 early in the morning. Write the time with a.m. or p.m.

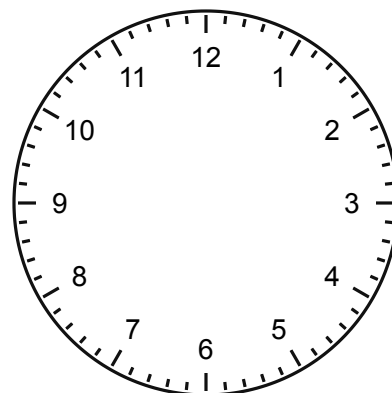
ANSWER _____

- 4** A digital clock shows 12:00 at noon. Write the time with a.m. or p.m.

ANSWER _____

APPLY IT Show your work

- 1** The digital time is 9:54 in the evening. Draw the hour and minute hands on the blank clock. Write the matching time with a.m. or p.m.



2

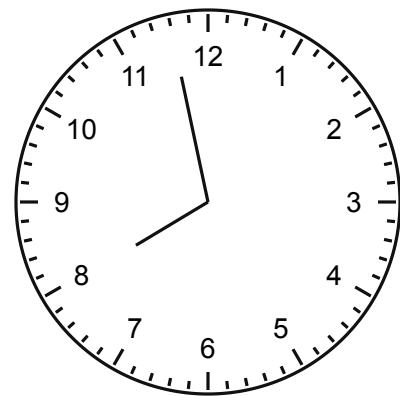
A digital clock shows 12:00 at midnight, when a new day begins. Write the time with a.m. or p.m. Explain how it differs from noon.

WORK SPACE

CHALLENGE One step up

This clock can show the time before breakfast or after dinner. Read it once. Write both possible times, using a.m. for before breakfast and p.m. for after dinner. Why can the hands alone not decide?

WORK SPACE AND ANSWER

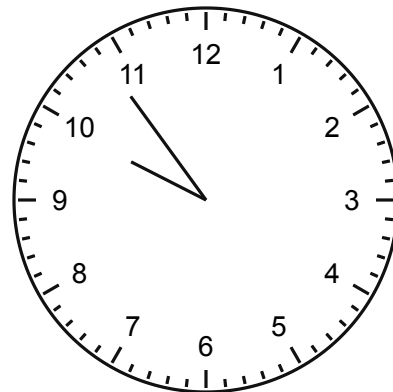


Check the hour, minutes and a.m./p.m. Do not infer a.m./p.m. from analog hands alone; use the stated context. On the drawn 9:54 clock, the hour hand is close to 10 but has not reached it. The longer minute hand points one tick before 11. Noon and midnight are named explicitly; no elapsed-time calculation is required.

PRACTICE 1**3:42 p.m.****PRACTICE 2****11:05 a.m.****PRACTICE 3****6:29 a.m.****PRACTICE 4****12:00 p.m.****APPLY IT 1**

9:54 p.m.; minute hand at tick 54, hour hand between 9 and 10 and close to 10.

Check that the minute hand is longer than the hour hand.

**APPLY IT 2**

12:00 a.m. Midnight begins the new day; noon is 12:00 p.m.

Use the named event to select the correct half of the day.

CHALLENGE

7:58 a.m. and 7:58 p.m. An analog clock repeats its positions every 12 hours, so context tells which half of the day.