

Clock Jump Quest

Find how many hours have passed.

GRADE 3 • 3.MG.3.c.i

3.MG.3.c.i "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 starting time and the ending time, determine the amount of time that has elapsed;"

NAME _____

DATE _____

COUNT HOUR JUMPS

Elapsed time is how long something lasts. Start at the beginning time and count one-hour jumps until you reach the ending time. Keep both times in a.m. or both times in p.m.

WORKED EXAMPLE

A show starts at 3:00 a.m. and ends at 7:00 a.m. How much time has elapsed?

1. Start at 3:00 a.m.
2. Count the hour jumps: 4:00, 5:00, 6:00, 7:00.
3. There are 4 hour jumps.

Answer: 4 hours

PRACTICE 6 problems

- 1** A bird-watching walk starts at 8:00 a.m. and ends at 10:00 a.m. How much time has elapsed?

ANSWER _____

- 2** Art club starts at 1:00 p.m. and ends at 6:00 p.m. How much time has elapsed?

ANSWER _____

- 3** A pancake breakfast starts at 2:00 a.m. and ends at 8:00 a.m. How much time has elapsed?

ANSWER _____

- 4** A science exhibit opens at 1:00 p.m. and closes at 9:00 p.m. How much time has elapsed?

ANSWER _____

- 5** A camping trip begins at 1:00 a.m. and ends at 10:00 a.m. How much time has elapsed?

ANSWER _____

- 6** A museum is open from 5:00 p.m. until 6:00 p.m. How much time has elapsed?

ANSWER _____

APPLY IT Show your work

- 1** The school fun fair opens at 2:00 p.m. and closes at 10:00 p.m. How many hours is the fun fair open?

WORK SPACE

ANSWER _____

- 2** A soccer tournament starts at 6:00 a.m. and ends at 11:00 a.m. How long does the tournament last?

WORK SPACE

ANSWER _____

CHALLENGE One step up

CHALLENGE

A comic book event starts at 5:00 p.m. and ends at 11:00 p.m. Kai says it lasts 5 hours because he counted 5, 6, 7, 8, 9, 10. Is Kai correct? Explain your reasoning.

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	A bird-watching walk starts at 8:00 a.m. and ends at 10:00 a.m. How much time has elapsed?	2 hours
2	Art club starts at 1:00 p.m. and ends at 6:00 p.m. How much time has elapsed?	5 hours
3	A pancake breakfast starts at 2:00 a.m. and ends at 8:00 a.m. How much time has elapsed?	6 hours
4	A science exhibit opens at 1:00 p.m. and closes at 9:00 p.m. How much time has elapsed?	8 hours
5	A camping trip begins at 1:00 a.m. and ends at 10:00 a.m. How much time has elapsed?	9 hours
6	A museum is open from 5:00 p.m. until 6:00 p.m. How much time has elapsed?	1 hour

PART 2 • APPLY IT

1. **8 hours** Count the one-hour jumps from 2:00 p.m. to 10:00 p.m. There are 8 jumps.
2. **5 hours** Count forward by hours from 6:00 a.m. until 11:00 a.m. The elapsed time is 5 hours.

CHALLENGE

No. It lasts 6 hours because there are 6 one-hour jumps from 5:00 p.m. to 11:00 p.m.

Accept answers written as a number with "hour" or "hours." For the challenge, accept any explanation that correctly counts 6 one-hour intervals, not the clock numbers.