LESSON MAKER PRO

Time Jump Trail

Read clocks and follow minutes on a number line.

GRADE 3 · 3.M.A.18

3.M.A.18 "Tell and write time to the nearest minute; measure time intervals in minutes (within 90 minutes.) a. Solve real-world problems involving addition and subtraction of time intervals in minutes by representing the problem on a number line..."

NAME _____ DATE _____

JUMP THROUGH TIME

The short clock hand shows the hour, and the long hand shows the minutes. To find a later time, start at the clock time on a number line and jump forward. To find an earlier time, jump backward.

WORKED EXAMPLE

What time will it be 26 minutes after the time on the clock?



1. Start a number line at 8:09.
2. Jump forward 20 minutes to 8:29.
3. Jump forward 6 more minutes to 8:35.

Answer: 8:35

PRACTICE 6 problems

1 What time will it be 21 minutes after the time on the clock? Draw a number line to show your jumps.



ANSWER _____

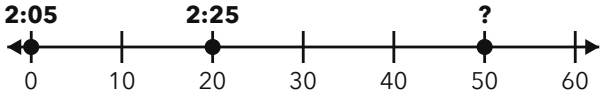
2 What time will it be 31 minutes after the time on the clock? Draw a number line to show your jumps.



ANSWER _____

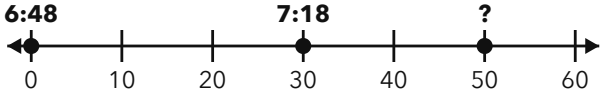
_____

3 Each number on the line shows minutes after the start. What time belongs at the question mark?



ANSWER _____

4 Each number on the line shows minutes after the start. What time belongs at the question mark?



ANSWER _____

5 A song ends at 5:32. It lasts 24 minutes. What time did it start? Draw a number line to show your jumps backward.

ANSWER _____

_____

6 The art table opens at 12:37. It stays open for 48 minutes. What time does it close? Draw a number line to show your jumps.

ANSWER _____

_____

APPLY IT Show your work

1 You start building a block tower at 4:11. You build for 23 minutes, take a 12-minute break, then build for 19 more minutes. At what time do you finish? Draw a number line and label each jump.

WORK SPACE

ANSWER _____

2 A school talent show starts at 1:18 and ends at 2:31. A dance lasts 27 minutes. How many minutes of the show are not the dance? Draw a number line to find the show's length, then subtract.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A movie night ends at 7:54. You watched for 38 minutes, paused for 14 minutes, then watched for 25 more minutes. What time did you start? Draw a number line with three jumps backward. Explain why you included the pause.

WORK SPACE AND ANSWER

ANSWER KEY

Time Jump Trail

GRADE 3 · 3.M.A.18

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	What time will it be 21 minutes after the time on the clock? Draw a number line to show your jumps.	**3:35**
2	What time will it be 31 minutes after the time on the clock? Draw a number line to show your jumps.	**11:13**
3	Each number on the line shows minutes after the start. What time belongs at the question mark?	**2:55**
4	Each number on the line shows minutes after the start. What time belongs at the question mark?	**7:38**
5	A song ends at 5:32. It lasts 24 minutes. What time did it start? Draw a number line to show your jumps backward.	**5:08**
6	The art table opens at 12:37. It stays open for 48 minutes. What time does it close? Draw a number line to show your jumps.	**1:25**

PART 2 · APPLY IT

1. **5:05** The three jumps total 23 + 12 + 19 = 54 minutes. Starting at 4:11 and moving forward 54 minutes gives 5:05.
2. **46 minutes** The show lasts 73 minutes, from 1:18 to 2:31. Subtract the 27-minute dance: 73 - 27 = 46 minutes.

CHALLENGE

6:37. The three parts take 38 + 14 + 25 = 77 minutes, so jumping backward 77 minutes from 7:54 lands at 6:37. The pause counts because time passed during it.

Accept different number line jumps if they show the correct intervals and times. For the challenge, accept any explanation that includes the pause in the total elapsed time.