

Name _____ Date _____

Professor Peabody Made a Mess

Professor Peabody was reading the morning paper and spilled his tea. The tea covered parts of the weekly weather report.

1. Help figure out what the stained parts of the paper say. Use a number line to help you solve the problems.

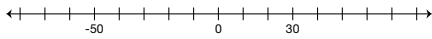
Minnesota State Daily Weather Changes

Day of Week	Temperature in Morning	Change in Temperature	Temperature in Evening
A. Monday	42°F	drops 35°F	
B. Tuesday	35°F		15°F
C. Wednesday		drops 20°F	-6°F
D. Thursday	27°F	rises 22°F	
E. Friday	-12°F		-23°F

- F. Show how to use the number line to solve Question 1C.



2. Label the following numbers on the number line: 55, -20, 73, -32



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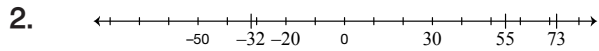
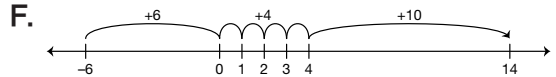
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Questions 1–6

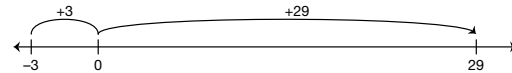
Minnesota State Daily Weather Changes

1.

Day of Week	Temperature in Morning	Change in Temperature	Temperature in Evening
A. Monday	42°F	drops 35°F	7°F
B. Tuesday	35°F	drops 20°F	15°F
C. Wednesday	14°F	drops 20°F	-6°F
D. Thursday	27°F	rises 22°F	49°F
E. Friday	-12°F	drops 11°F	-23°F



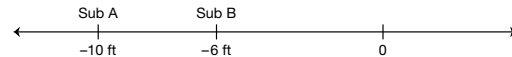
3. Carla traveled 32 floors.



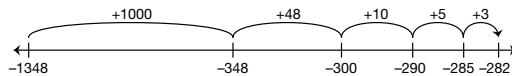
4. The temperature difference is 67°F.



5. Submarine A is traveling deeper in the ocean because Submarine A is 10 feet below 0 and Submarine B is only 6 feet below 0.



6. Death Valley is -282 feet.



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Show how to represent and solve each problem with a number line.

3. Carla parks her car in a parking garage below a building. She parks 3 floors below ground level and takes the elevator up to the 29th floor. Find the total number of floors Carla traveled.



4. When Professor Peabody left Arizona, the temperature was 55°F. When he arrived in Minnesota, the temperature was -12°F. What is the temperature difference?



5. Submarine A is traveling at 10 feet below sea level. Submarine B is traveling at 6 feet below sea level. Which submarine is traveling deeper in the ocean?



6. The Dead Sea is -1348 feet below sea level. If the elevation of the Dead Sea is 1066 feet lower than Death Valley, what is the elevation of Death Valley?

Elevation

Location	Elevation (in feet)
Dead Sea	-1348
Death Valley	



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