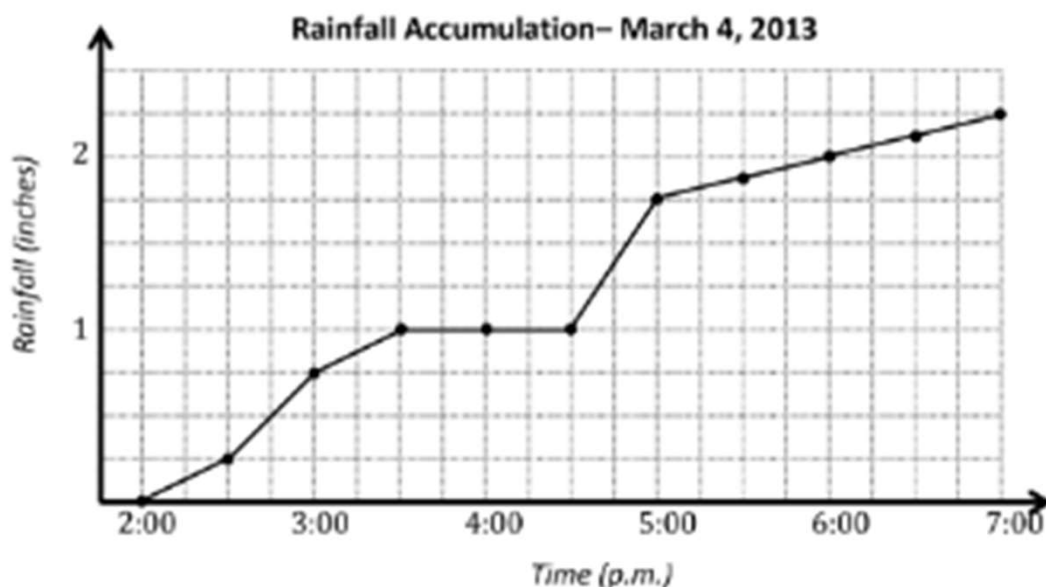


Line Graph Worksheets

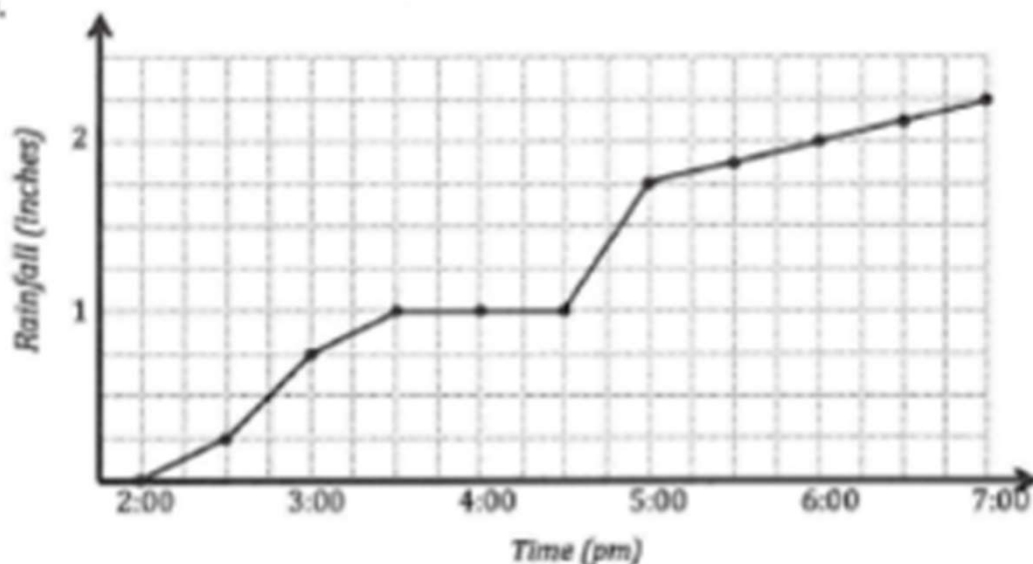
The line graph below tracks the rain accumulation, measured every half hour, during a rainstorm that began at 2:00 p.m. and ended at 7:00 p.m. Use the information in the graph to answer the questions that follow.



- How many inches of rain fell during this five-hour period?
- During which half-hour period did $\frac{1}{2}$ inch of rain fall? Explain how you know.
- During which half-hour period did rain fall most rapidly? Explain how you know.
- Why do you think the line is horizontal between 3:30 p.m. and 4:30 p.m.?
- For every inch of rain that fell here, a nearby community in the mountains received a foot and a half of snow. How many inches of snow fell in the mountain community between 5:00 p.m. and 7:00 p.m.?

Line Graph Worksheets

The line graph below tracks the rain accumulation, measured every half-hour, during a rainstorm that began at 2:00pm and ended at 7:00pm. Use the information in the graph to answer the questions that follow.



- How many inches of rain fell during this 5-hour period?
 $2\frac{1}{4}$ or 2.25 inches of rain fell during this 5-hour period.
- During which half-hour period did $\frac{1}{2}$ inch rain fall? Explain how you know.
 $\frac{1}{2}$ inch of rain fell between 2:30 and 3:00 pm. The line went up $\frac{1}{2}$ inch as time went from 2:30 to 3:00 pm.
- During which half-hour period did rain fall most rapidly? Explain how you know.
 Rain fell most rapidly from 4:30 to 5:00 pm because the line is steepest.
- Why do you think the line is horizontal between 3:30pm and 4:30pm?
 No rain fell from 3:30 to 4:30 pm.
- For every inch of rain that fell here, a nearby community in the mountains received a foot and a half of snow. How many inches of snow fell in the mountain community between 5:00pm and 7:00pm?
 A total of $\frac{1}{2}$ inch of rain fell between 5:00 and 7:00 pm. That means the mountain community got $\frac{1}{2}$ of a foot and a half of snow or $\frac{3}{4}$ of a foot (9 inches) of snow.

$$\frac{1}{2}(18 \text{ inches}) = 9 \text{ inches} \quad \text{or} \quad \frac{1}{2}(1\frac{1}{2} \text{ feet}) = \frac{1}{2}(\frac{3}{2} \text{ ft}) = \frac{3}{4} \text{ ft.}$$