

D Grapes

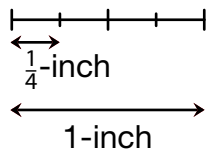


A man ate 100 grapes in five days. On the second day he ate six more grapes than on the first day. On each of the next three days he ate six more grapes than he did on the day before. How many grapes did he eat on the first day? (Hint: The answer is not 76 grapes).

Answer the question and show the steps you took to solve it. Include strategies you tried that did not work. Use a separate sheet of paper.

Use the *Math Practices* page in the Reference section of the *Student Guide* to help you organize your work and explain your strategies. Be sure to show or tell how you know your answer is reasonable and correct.

E When Does $\frac{1}{4}$ Matter?



1. Might $\frac{1}{4}$ -inch be important if you are building a door? Why or why not?
2. Do you think $\frac{1}{4}$ -inch is important when you are measuring the distance you can ride on your bike? Why or why not?
3. Give an example of when $\frac{1}{4}$ -inch is important. Give an example of when it is not.