

21. Brian is planning a birthday party and wants to make sure that he has enough sandwiches for all of his guests. He wants to have 1 sandwich per invited guest and 5 extra sandwiches to put aside for lunch next week. He uses the function $g(x) = x + 5$. Which is the best interpretation of the function that Brian used?
- A. If x represents the number of invited guests, $g(x)$ represents the number of sandwiches needed so that each guest gets 1 sandwich and there are 5 left over.
 - B. If x represents the number of invited guests, $g(x)$ represents the number of sandwiches needed so that each guest gets 5 sandwiches and there is 1 left over.
 - C. If x represents the total number of sandwiches, $g(x)$ represents the number of guests who would be able to eat sandwiches.
 - D. If x represents the total number of sandwiches, $g(x)$ represents the number of sandwiches that would be left over at the end of the party.

22. The function table below shows the air temperature in degrees Celsius over the course of 10 days.

Day	Temperature ($^{\circ}\text{C}$)
1	23
2	25
3	27
4	26
5	24
6	28
7	30
8	32
9	29
10	28

During which intervals is the function increasing and decreasing?

- A. increasing from day 1 to day 8; decreasing from day 8 to day 10
- B. increasing from day 1 to day 3; decreasing from day 3 to day 10
- C. increasing from day 1 to day 3, day 5 to day 8; decreasing from day 3 to day 5, day 8 to day 10
- D. increasing from day 3 to day 5, day 8 to day 10; decreasing from day 1 to day 3, day 5 to day 8