

Consider the following situation: Mike is at a county fair and is participating in "The Weight Game". To play, the booth owner attempts to guess a participant's weight. If the owner's guess is less than 7 pounds away from the actual weight, the owner wins the participant's money. Otherwise, the participant wins a prize.

If Mike weighs 172 pounds, graph the range of values that the owner could guess (g) in order for Mike to win a prize.