

## Answer on Question #67546 – Math – Statistics and Probability

A baseball player hit 5757 home runs in a season. Of the 5757 home runs, 1515 went to rightfield, 2121 went to right center field, 88 went to center field, 1111 went to left center field, and 22 went to left field.

### Question

(a) What is the probability that a randomly selected home run was hit to left field?

### Solution

$$P(lf) = \frac{22}{5757} \approx 0.0038 \text{ (0.38\%)}$$

### Question

(b) Was it unusual for this player to hit a home run to left field?

### Solution

The probability that a randomly selected home run was hit to left field is

$$P(lf) = \frac{22}{5757} > 0$$

Since the probability of an unusual event is 0, it was possible for this player to hit a home run to left field.