Nawal went to a cottage on Otter Lake and went fishing every day in their favourite spot. After seven days, their catch included 18 bass, 5 pike, 13 bluegill, 2 perch, and 1 trout.

(a) Based on that week’s fishing, what is the experimental probability (as a fraction in lowest terms) that the next fish Nawal catches is a bluegill? What is the experimental probability that the next fish Nawal catches is a trout?

(b) Suppose Nawal went fishing for another seven days in the same spot. What are some things you could predict about their catch, based on their previous experience?

(c) If Nawal went fishing in a new spot recommended by a friend, what could you predict about their catch in this spot, based on their previous experience?