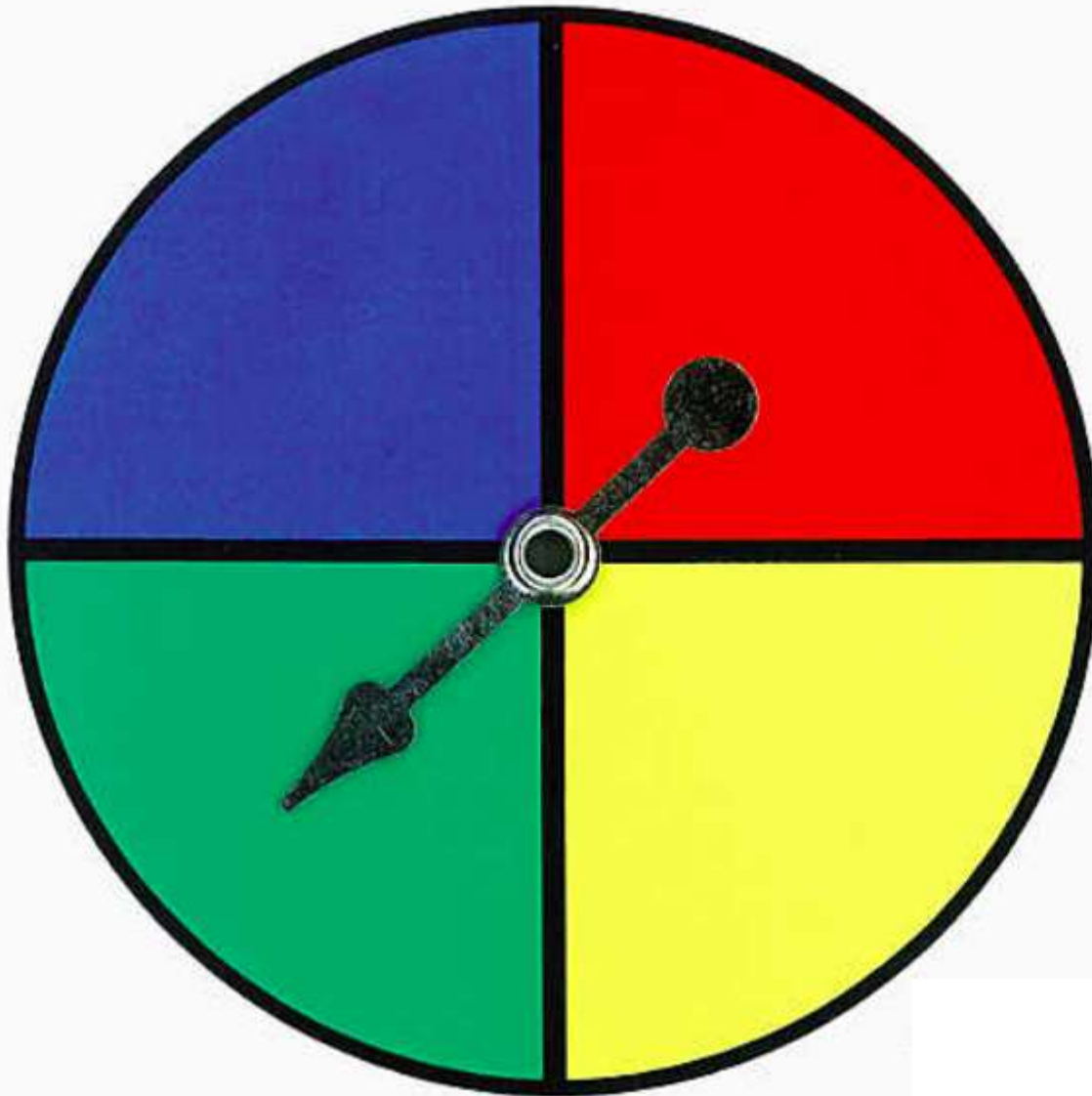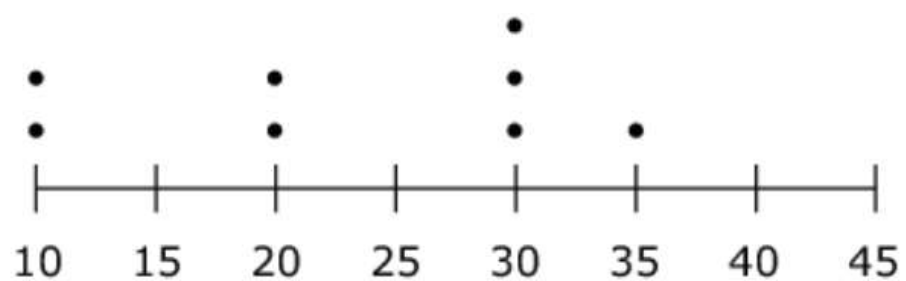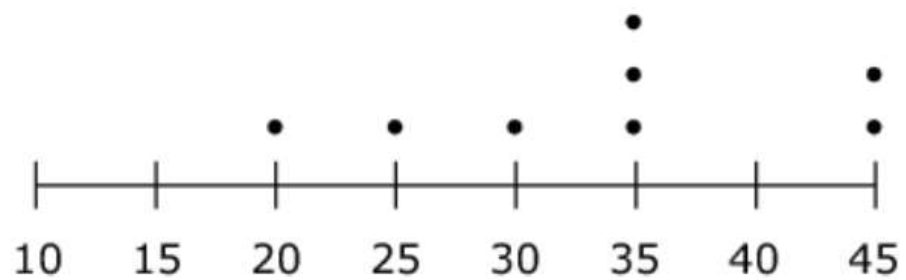Jeremy spins this spinner **60** times. How many times can Jeremy expect to land on red?

[   ] times

Number of Push-ups Last Month

Number of Push-ups This Month

What is the increase in the mean number of push-ups from last month to this month?

[   ]

Student A has test scores 85, 89, 82, 78 and 89.

Student B has test scores 70, 85, 72, 95, and 83.

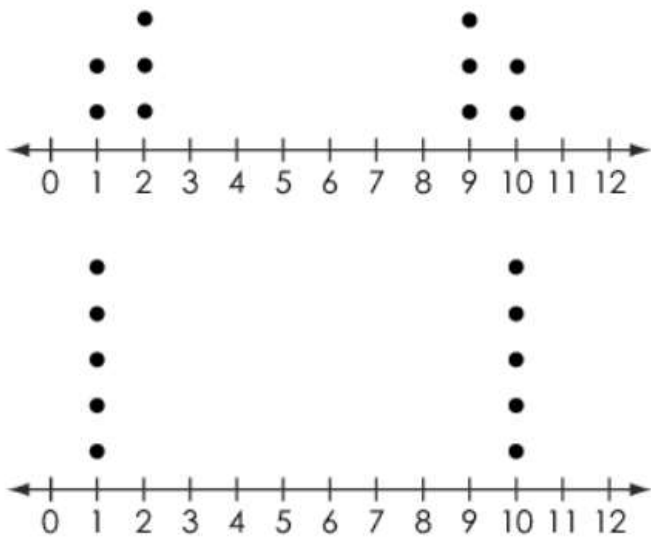Find the MAD for student B and determine who the more consistent test taker is.
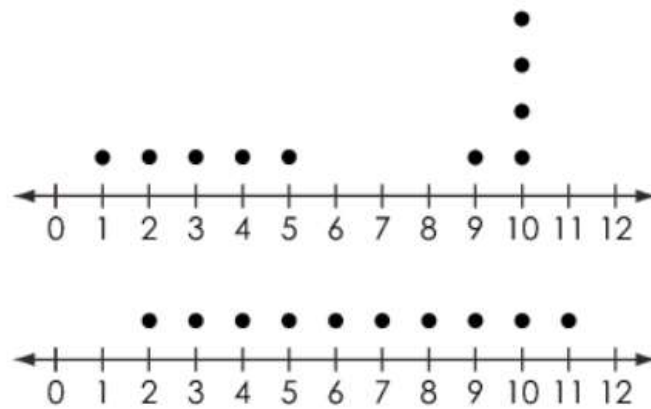
Part A

MAD for student A = 3.68

MAD for student B =

Which two data sets show the most overlap?

Population vs. Sample

A school of 800 students is considering the addition of a bowling team. Steve surveys 15 of his friends to determine if there will be enough interest at his school.

There are 2,500 students in Maria's school.

Maria wants to conduct a survey of the students in her school to determine the level of interest in joining a biology club.

Which of the following is most likely to produce a representative sample of students' interest in the club?

A – A survey of the students in her first period biology class

B – A survey of her friends sitting at her lunch table

C – A survey of students in one randomly selected homeroom

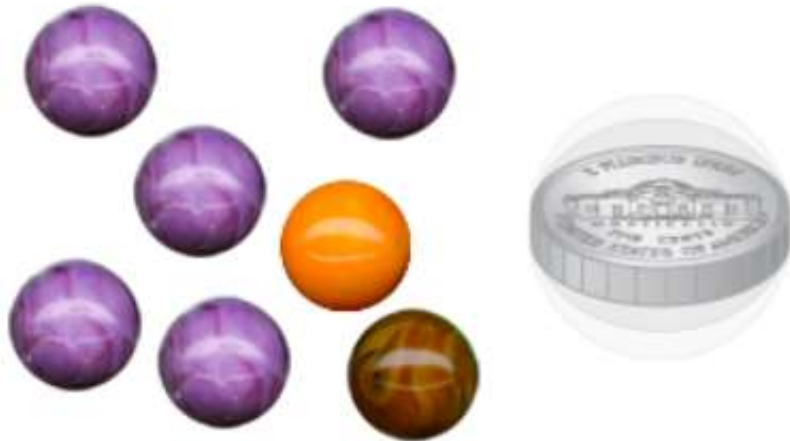D – A survey of every tenth person to arrive at school one day

Compound Probability

Option 1: Model

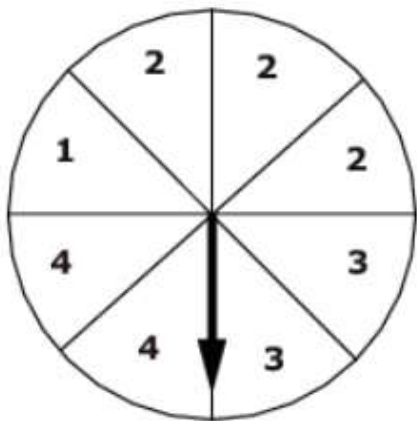Option 2: Multiply the simple probabilities

What is the probability of picking a brown marble and flipping heads?

A. $\frac{1}{7}$

B. $\frac{8}{14}$

C. $\frac{2}{14}$

D. $\frac{1}{14}$

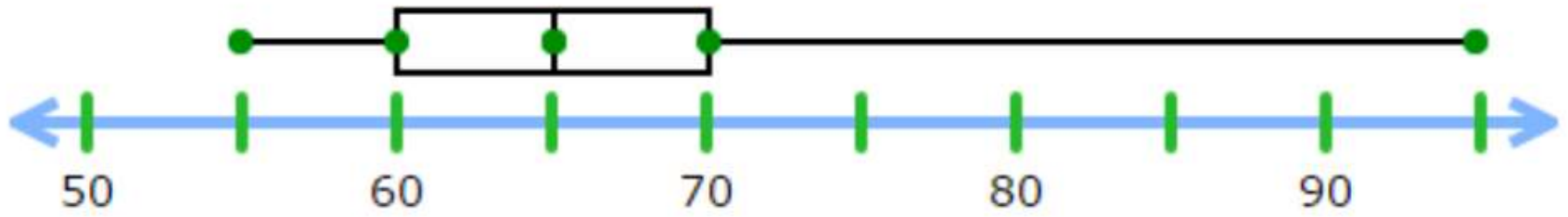The spinner has 8 equal-sized sections, each labeled 1, 2, 3, or 4. The arrow on the spinner is spun.

What is the probability of the arrow stopping on a section labeled with a 3?

A) $\frac{1}{4}$

B) $\frac{1}{8}$

C) $\frac{3}{8}$

D) $\frac{3}{4}$

A pizza shop wants to determine how often it delivers to three different areas of a city. The table shows the areas from a random sample of 120 deliveries.

Area of City	Number of Deliveries
Northern	40
Central	60
Southern	20

Based on these data, if the driver makes 200 deliveries, how many deliveries will be to the southern area of the city?
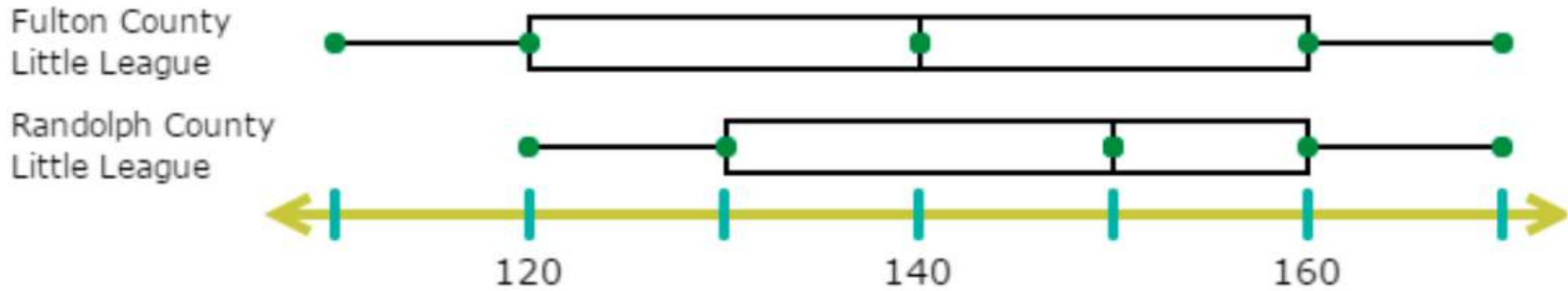
Median =

Range =

Interquartile Range =

Number of pitches thrown

Fulton County
Little League

Randolph County
Little League

120   140   160

Which statement is supported by the data? Select all that apply.

(A) Fulton County has a bigger range of pitches.

(B) Fulton County has a smaller interquartile range.

(C) The median number of pitches thrown by Randolph pitchers is higher than that of Fulton.

(D) The lowest 25% of the data is more spread out for Fulton County.

Probability Experiment

Candy Color	Number of Times Selected
Green	2
Orange	1
Purple	4
Yellow	5

Based on the results, what is the probability that the next piece of candy Lindsey selects will be a **green or purple** candy?

A $\frac{1}{4}$

B $\frac{1}{3}$

C $\frac{1}{2}$

D $\frac{2}{3}$