

4th 9wks

Week 3: HW

March 25-29, 2024

Name _____

Pg. 1

Date _____

Pd _____

Tues, 3/26: Pg. 1 (ALL)
Wed, 3/27: Pg. 2 (ALL)

Use the following information to answer questions 1 – 3.

A laundry basket has 24 t-shirts in it. Four are navy, 12 are red, and the remaining are white.

1. What is the probability of randomly selecting a red shirt?
2. What is the probability of not selecting a white shirt?
3. What is the probability of selecting a green shirt?

Use the table below to answer questions 4 – 6.

Mrs. Irons places the names of each of her four children in a hat at one time. She randomly draws a name, places it back in the hat, and draws again. The results are shown in the table below.

	DRAW 1	DRAW 2	DRAW 3	DRAW 4	DRAW 5	DRAW 6	DRAW 7	DRAW 8	DRAW 9	DRAW 10
NAME	Ella	Jake	Alex	Alex	Jake	Joey	Alex	Ella	Alex	Jake

4. What is the theoretical probability of selecting the name Joey?
5. What is the experimental probability of selecting the name Alex?
6. If the experiment was repeated 1,000 times, then how many times could you expect to draw Ella's name?
A. 200 B. 250 C. 400 D. 320

Wed, 3/27:(ALL)
SIMULATIONS AND PREDICTIONS

Use the information to make predictions. Then, match the final answer to the letter below.
Write the letter in the blank.

<p>1 A fast food chain surveyed a random sample of students to determine what pizza they prefer. Cheese pizza was preferred by 40 students. Pepperoni pizza was preferred by 28 students. Based on the results, how many of the 340 students can be expected to prefer cheese pizza?</p>	<p>5 A box of 25 light bulbs is shipped to a hardware store. When it arrives, four of the bulbs are broken. Predict the number of broken light bulbs in an order of 125 bulbs.</p>
<p>2 On the subway 8 out of 11 people are carrying a briefcase. Based on this information, if there are 700 people on the subway, then about how many do not have a briefcase?</p>	<p>6 The airport security randomly selected 36 suitcases from the security line. Of these bags, they screened 8 suitcases. Based on this information, what is the most reasonable prediction for the number of suitcases they will screen in a group of 180?</p>
<p>3 Suppose a coin is flipped 10,000 times. What is a reasonable prediction for the number of times the coin lands on tails?</p>	<p>7 In a game the player wins if he rolls a 6 on a number cube. If the number cube is rolled 18 times, then what is a reasonable prediction for the number of unsuccessful rolls?</p>
<p>4 On a youth soccer team 3 out of 12 team members have played in previous years. Based on this information, if 150 kids are in the youth soccer league, then how many could be expected to have played the year before?</p>	<p>8 A container of beads contains: 8 red beads, 6 yellow beads, and 6 green beads. A bead will be drawn from the basket and replaced 60 times. What is a reasonable prediction for the number of times a green or red bead is drawn?</p>

P: 76	Q: 20	G: 2,000	D: 96	B: 142
E: 191	R: 42	G: 18	S: 5,000	A: 200
T: 25	U: 15	L: 40	M: 38	H: 509

WHAT KIND OF MEALS DO MATH TEACHERS EAT?

3 5 7 1 8 2 4 2 1 6 3