

Station 1:

- a) If the probability of getting a defective toy is 2%, what is the odds against getting a defective toy?
- b) $P(\text{Buying 5 good toys})$
- c) $P(\text{select 5 toys and getting at least 1 defective toy})$

Nov 6-8:39 AM

Station 2:

	A's	B's	C's	D's	F's
boys	2	5	6	2	1
girls	3	4	4	1	0

 $P(\text{selecting a girl})$ $P(\text{girl or a C student})$ $P(\text{girl}|\text{C student})$ $P(\text{select 2 girls})$

Odds(against a girl being selected)

Nov 6-8:42 AM

Station 3

- a) There are 28 kids in your class. If there are 12 girls, what's the probability of calling on 3 girls to go to the board for bell work?
- b) $P(\text{calling on at least 1 girl to go the board})$

Nov 6-8:41 AM

Station 4

What's the $p(\text{having a birthday in November})$?What's the $p(\text{someone guesses your birthday})$?What's the $p(\text{guessing your birthday correctly if they know it's in November})$?

Nov 6-8:46 AM

Station 5

In a deck of cards, find the following probability:

1. $P(\text{getting dealt five cards from the same suit})$:
2. $P(\text{getting dealt a face card and an Ace})$:
3. $P(7 \text{ or a red card})$

Nov 8-12:15 PM

Station 6:

a) If you have 7 pairs of pants, 10 shirts, and 3 pairs of shoes, how many different outfits can you put together assuming everything matches?

b) How many meals can you served at a wedding reception if you have 3 meats to pick from, 4 potatoes, 3 veggies, 3 drinks, and 2 desserts?
(assume you can only pick one from each)

Nov 8-12:19 PM

Station 7:

5 people were sitting at a restaurant and witnessed a robbery. If those 5 people have to pick a person out of a line up of 7, what's the probability they all pick the same person?

Nov 8-12:48 PM

Station 8

<u>Age</u>	<u>Cardiac</u>	<u>Breathing</u>	<u>Kidney</u>
20-35	2	13	1
36-50	18	16	4
51-70	47	11	8
over 70	32	10	14

P(select someone over 70)

P(Cardiac problems OR 50 or younger)

P(breathing problems|younger than 50)]

P(two with kidney problems)

Nov 8-1:07 PM