Tootsie Pop Pull

Name: Key

7th Grade Math

In this activity each student will get to choose one tootsie pop out of the bag without looking. Before each pull we will write down the probability of the student pulling each flavor. You get to keep your tootsie pop, so this activity is illustrating _____ events.

Favorite Flavor: Grape

Number of each flavor:

	Chocolate	Cherry	Orange	Grape	Raspberry
5th hr	9	8	5	2	6
6th hr	8	9	6	2	5

Total Number of Tootsie Pops = _____

If you are the first student to choose a tootsie pop, what is the probability you will choose your favorite flavor?

My favorite is GRAPE so for both hours my probability would be:

$P(\text{Grape}) = \frac{2}{30} = \frac{1}{15}$

	Chocolate	Cherry	Orange	Grape	Raspberry
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					

15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Circle the row that illustrated your turn. What was the probability that you would pull your favorite flavor?

If you had the last pick, what would be the probability of you pulling your favorite flavor?

After the 29th pick, theoretically your favorite will be gone. My favorite is grape so P(grape) = 0

If you had the first pick and were able to pull 3, what is the probability that all 3 would be your favorite?

For me, in both 5th hour and 6th hour my probability would be as follows:

$P(\text{Grape}) = \frac{2}{30} \cdot \frac{1}{28} \cdot \frac{0}{27} = 0$