Tuesday, October 23, 2018

- Warm-up
 - Design a simulation for the following
 - Joe runs a bus with eight seats. On the average 10% of the people who buy tickets in advance do not show up. So Joe sells ten tickets for each trip. Estimate the probability that more than eight people show up with tickets.

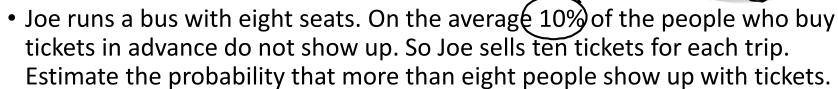
Gallery Walk

Quiz ? Probably not today



Joe's Bus

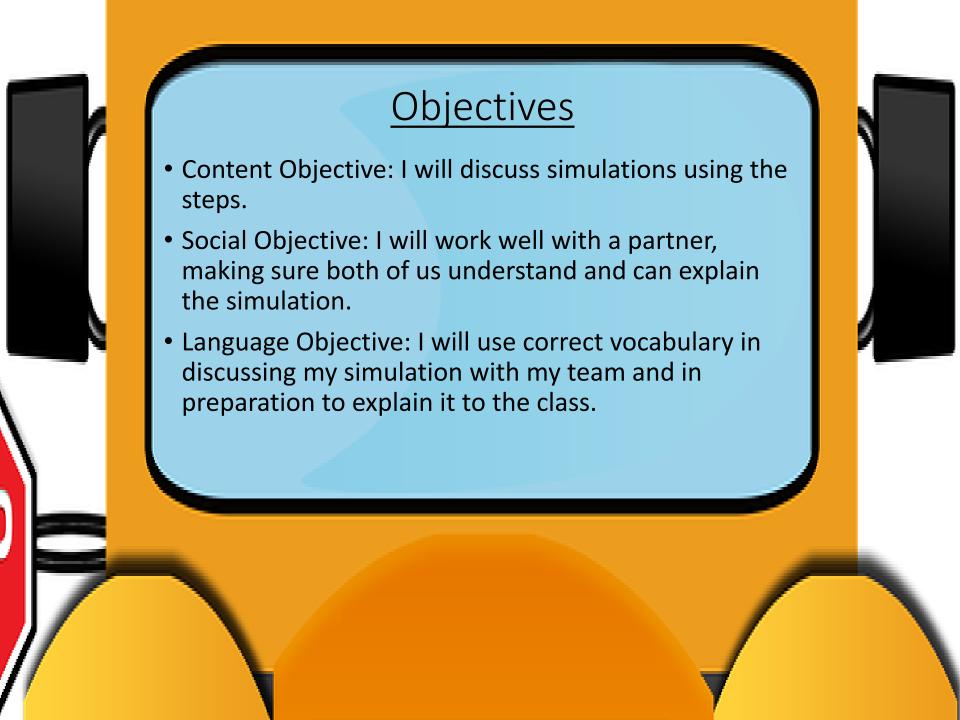




Compensat - if someone shows up or not RendInt Using a random number table - 0= no slow (0,9,10) 1-9= do show

Trial ognerate 10 numbers and count how many shoned or 922395034 > 9640912531 ~ did not 4254482853 ~

According to the simulation, he will oversell 100% of the time Bernadates simulation, 70% of the time he oversold.



Gallery Walk

Use your random number generator to generate 4 numbers between (-1). Those are the 4 posters you will evaluate.



<u>Grading</u>

1. The Method

E: Randomizes simulation correctly

P: Randomizes somewhat correctly

!: Uses and inappropriate model

2. The Simulation

E: Explains procedure well, clearly displays the simulation process, counts the components of the trials correctly

P: meets only 2 requirements

l: meets fewer than 2 requirements

3. Interpretation

E: Establishes a standard of proof consistent with the simulation and justifies conclusion based on that standard.

P: Fails to justify the decision rule OR confuses the model with reality

I: Fails to address the issue of statistical significance



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