



Popping Up Percents!



Name _____ Period _____ Date _____

Brand of Popcorn _____

Weight before popping _____

Estimated weight after popping _____

Actual weight after popping _____

Percents

*Separate popcorn into two piles onto paper towels- Popped and Unpopped

Popped kernels _____ Weight popped _____

Unpopped kernels _____ Weight unpopped _____

% popped _____ % popped (by weight) _____

% unpopped _____ % unpopped (by weight) _____

(** Remember to use the total when finding percents.**)

*Record your findings on the overhead!

Unit Price

Weight of popped corn _____

Price per bag _____

Unit price (price per popped gram) _____

Questions

1. How was the taste of your brand? _____
2. Were your percents the same by weight and by counting? _____
3. Why or why not? _____

4. What brand had the highest percent of popping based on counting?

5. What brand had the highest percent based on weight?

6. Which brand was the best buy based on unit price? _____
_____ Is this the brand you would buy? _____
Why or why not? _____

7. Based on the weight percentages, find the mean percent of popcorn popped in a bag of popcorn. _____ What factors might affect this percent?

8. Americans consume an average of 63 quarts of popcorn per person per year. If you live to be 73 years old, about how much popcorn would you be expected to consume?

9. An average of 70% of popcorn is eaten at home. The remaining amount is usually eaten at recreational areas such as movies or sporting events. If you average 63 quarts a year, about how much popcorn is eaten outside your home?

10. Popcorn has been around a very long time. In Peru, researchers uncovered 1000 year old popcorn so well preserved it still pops. If 48 kernels of this popcorn popped and 32 didn't, what percent of this ancient popcorn popped?
