Cafeteria Tables Day #2 Name _____

Yesterday we learned….

- Southwest's cafeteria has 40 tables with 8 seats on each
- Southwest's cafeteria can accommodate 320 students
- At Southwest
    - A lunch is at 62% capacity with 198 students
    - B lunch is at 79% capacity with 254 students
    - C lunch is at 75% capacity with 240 students
- Century's cafeteria has 27 tables with 12 seats on each
- Century's cafeteria can accommodate 324 students

Today's Questions:

A) If we filled every seat in A, B, and C lunch, by what percent would the population at each lunch increase?

B) Based only on square footage, how many round tables should fit in Southwest's cafeteria? Why might this number be misleading?

C) Based only on square footage, how many rectangular tables should fit in Century's cafeteria? Why might this number be misleading?

D) Which table, round or rectangular, is a better use of space? Why?

Today I figured out…

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Now I'm wondering...

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Advantages of Using Round Tables	**Advantages of Using Rectangular Tables**
Disadvantages of Using Round Tables	**Disadvantages of Using Rectangular Tables**