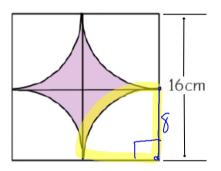
## Bellwork Thursday, May 8, 2014

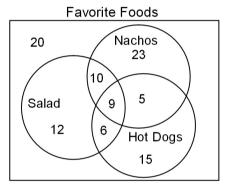
4. A dart lands somewhere on the square target. Find the probability that it lands in the shaded region. Give answer as a percent to the nearest tenth.



 $\frac{\text{Square} - \text{Corners}}{\text{Square}} = \frac{16^3 - 910^3}{16^3}$ 

2. The Venn Diagram below shows favorite foods.

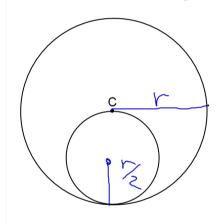
You will select a student at random, find each probability as a fraction.



- a) P(likes Hot Dogs or Nachos)
- b) P(likes Salad but not Nachos)
- c) P(Likes only Nachos)
- d) P(likes Nachos and Salad but not Hot Dogs)
- e) Write a probability whose answer is 15 + 5

+5 +5 P(LIKE HD NOT Salad)

3. Find the probability that a point picked at random is inside the small circle given the fact it must be inside of the large circle. Pt C is the center of the large circle.



He circle T()

Big circle T()

T(5) TT

Tro

Tro

4. ABCD is a square and points M and N are midpoints. Find the probability if a dart lands inside the square it would land inside triangle MNC. Give your answer as a fraction.

