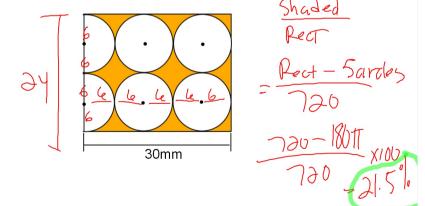
Bellwork Thursday, May 13, 2014

1. The probability that I'm using my cell phone is $\frac{7}{10}$ and the probability that I'm driving somewhere is $\frac{3}{8}$. Find the probability that I'm driving or I'm using my cell phone as a fraction.

P(driving or using cell phone) =

3. Find the probability that a random point is in the shaded region. Give your answer as a percent to the nearest tenth.



2. Use the results of a survey about people's favorite car shown below to find each probability as fraction.

| | Chevy | Ford | Cadillac | Mercedes | Total | |
|----------|-------|------|-----------------|----------|-------|--|
| Under 30 | 32 | 37 | <mark>10</mark> | 15 | 94 | |
| ≥ 30 | 15 | 18 | 38 | 29 | 100 | |
| Total | 47 | 55 | <mark>48</mark> | 44 | 194 | |

- a) P(Chevy and Under 30) = $\frac{32}{194}$ b) P(\geq 30 or Cadillac) = $\frac{100}{194}$
- c) P(Ford (Under 30) = $\frac{37}{94}$ d) P(Under 30) Ford) = $\frac{37}{55}$

4. Find the probability that a dart that lands randomly on the target scores 10 or 15 points. The radius of the bulls-eye is the same measure as the width of each ring.

