Wednesday, May 1, 2019

- Warm-up
- Which would you find more surprising? $\binom{1}{2}\binom{1}{2}\binom{1}{2}$
 - A. Flipping a fair coin 10 times and getting all tails OR $(\frac{1}{2})(\frac{1}{2})^{\frac{1}{2}}$

B. Flipping a fair coin 50 times and getting all tails

- · Why? Law of Large Numbers
- Test

Objectives

Content: I will demonstrate my knowledge of the unit through my success on the test. **Social**: I will be respectful to my classmates so they may be successful. Language: I will read questions carefully and use clear vocabulary in my solutions.

Questions?

Independence Some event does not effect the probability of the other Mutually Exclusive no overlap events cannot happen at the same time

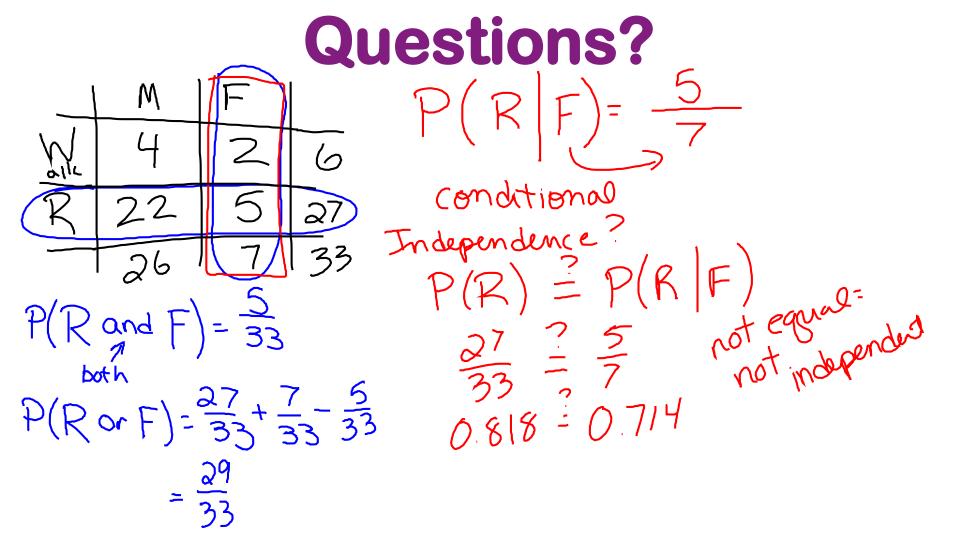
coin flip dice roll card draw "replacement

Rand K rolling an even and odd

P(A) = P(A) $P(Q) \stackrel{?}{=} P(Q|Q)$ $\stackrel{H}{=} = \frac{4}{5a}$ $P(A \text{ and } B) = \bigcirc$

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"I wish we hadn't learned probability 'cause I don't think our odds are good."

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