Level 2

Complement:

The probability of failure.

Use when: you see the word NOT or when you want AT LEAST 1 to happen, because you can subtract the probability of not at all.

The formula is: The probability of Not an event S happening, is equal to 100% minus the probability of the event happening. This gets you the probability of everything else happening.

Complement Formula: P(Not S) = 1 - P(s)

Example: a) What is the probability of NOT drawing a king from a standard 52-card deck?



Example/



A bag contains 5 yellow, 6 blue, and 4 white chips.



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Mixed Examples









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