

Probability P2: Basic Probability

At the dog pound there are 4 pugs, 5 poodles, 3 beagles, and 7 terriers. If you randomly adopt a dog, what is the probability of getting:

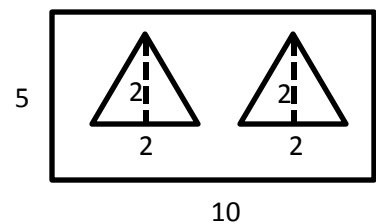
- 1) a pug?
- 2) a beagle?

You draw a card from a regular deck. What is the probability **and odds** of drawing:

- 3) a king?
- 4) a spade?
- 5) a red card?
- 6) a card with a number on it?
- 7) a red jack?

You roll two dice. What is the probability **and odds** of the total of the dice being:

- 8) 4?
- 9) 7?
- 10) 13?
- 11) You throw a bean bag at a target. If you get the bean bag into a triangle, you win. What is the probability that you hit the target?



A psychic predicts there will be a volcanic eruption next year. What is the probability that the date of the eruption falls:

- 12) on your birthday?
- 13) in the month of April?
- 14) on a Wednesday?
- 15) after the 4th of July?