

## Quiz: Question 7

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The percentage of all races being ties is:

$$P(T) = \frac{35}{200} = 17.50\% \quad (1)$$

To find out if A or B are more likely to win, we need to tally up how many races A won and how many B won and compare their percentages against the total number of races.

$$P(A) = \frac{80}{200} \rightarrow 40\% \quad (2)$$

$$P(B) = \frac{75}{200} \rightarrow 37.50\% \quad (3)$$

$$(4)$$

A has a greater chance of winning the race today since it has 2.50% higher probability than B.