

The reverse sides of five state quarters are shown below. If you select one of these quarters at random, what are the odds in favor of it showing at least one human figure on its reverse side?



$$\text{Odds in favor} = \frac{3}{2} \leftarrow \frac{3 \text{ have a human figure}}{2 \text{ do not have a human figure}}$$

1. Choose a quarter at random from the five above.

a. What are the odds in favor of it showing a horse?

b. What are the odds against it showing a horse?

2. Consider the event that the quarter shows the outline of a state.

a. What are the odds in favor of this event?

b. What are the odds against this event?