

Probability

1. A bag contains 9 yellow jellybeans, 12 red jellybeans, and 18 purple jellybeans. What is the probability of picking a red one?
2. What are the chances of picking a yellow jellybean?
3. What are the odds of picking a purple jellybean at random 3 times (and putting it back after each pick)? Convert your answer to a percent.
4. A deck of cards contains 52 cards, with 4 aces. What is the probability of picking an ace?

Answers: 1) $\frac{12}{39}$ 2) $\frac{9}{39}$ 3) $\frac{5832}{59319}$ or about 10% 4) $\frac{1}{13}$