

- An urn contains 15 red balls, 6 white balls, and 30 blue balls. If a ball is drawn out at random, what is the probability that it is blue?
 - An urn contains 14 balls identical in every respect except color. There are 2 red balls, 7 white balls, and 5 blue balls. You draw out one ball at random and replace it, and then draw out another. What is the probability that the second ball is white?
- A. 5/14
 B. 2/14
 C. 7/14
 D. 5/13
- A fair, twelve-sided die is rolled. To the nearest hundredth, what is the probability of rolling a number less than 12?
 - After seeing a number of patients with a food-borne illness, hospital staff tested everyone they could find who had eaten at Don's Restaurant on a particular night. They found the following:

	Tested Positive	Tested Negative	Total
Ate ice cream	20	4	24
Did not eat ice cream	10	10	20
Total	30	14	44

How many people were tested altogether?

How many people tested positive who did not eat ice cream?

If a person is chosen at random from among those tested, what is the probability that he both ate ice cream *and* tested negative? Round your answer to two decimal places.

If a person is chosen at random from among those tested, what is the probability that he did not eat ice cream if it is known that he tested positive? Round your answer to two decimal places.

If a person is chosen at random from among those tested, what is the probability that he ate ice cream *or* tested positive? Round your answer to two decimal places.

5. For a school project on pets, Jared surveyed the households in his neighborhood, with the following results:

	Male	Female	Total
Cat	11	4	15
Dog	11	7	18
Total	22	11	33

How many people were surveyed altogether?

What is the probability that a household randomly selected from among those Jared surveyed had a cat? Round your answer to two decimal places.

What is the sample space for this experiment?

- A. 33
- B. Male/Cat, Male/Dog, Female/Cat, Female/Dog
- C. 11, 11, 4, 7
- D. Cat, Dog, Male, Female