Probability   **Name: _____**

Find the probability. Express all fractions in lowest terms.

1. A number from 18 to 25 is drawn at random. Find P(22, 24, or 21) Express the probability as a percent. Round to the nearest percent. What are the odds in favor of drawing 22, 24, or 21?	2. You roll a number cube numbered from 1 to 6. P(not a 1) Express the probability as a fraction. What are the odds in favor of not rolling a 1?
3. A jar contains 11 black, 24 red, 25 orange, and 10 pink marbles. A marble is drawn at random. P(orange or black) Express the probability as a decimal. Round to the nearest hundredth. What are the odds in favor of choosing an orange or black marble?	4. You roll a number cube numbered from 1 to 6. P(a prime number) Express the probability as a decimal. Round to the nearest hundredth. What are the odds in favor of rolling a prime number?
5. A number from 9 to 21 is drawn at random. P(14) Express the probability as a percent. Round to the nearest percent. What are the odds in favor of drawing a 14?	6. You roll a number cube numbered from 1 to 6. P(a number divisible by 3) Express the probability as a fraction. What are the odds in favor of rolling a number that is divisible by 3?
7. A jar contains 4 blue and 17 black marbles. A marble is drawn at random. P(not blue) Express the probability as a decimal. Round to the nearest hundredth.	8. A jar contains 24 black and 6 purple marbles. A marble is drawn at random. P(black) Express the probability as a percent. Round to the nearest percent.

9. A number from 10 to 16 is drawn at random.
P(a number greater than 16)
Express the probability as a fraction.

What are the odds in favor of drawing a number that is greater than 16?

10. A jar contains 26 red and 8 pink marbles. A marble is drawn at random.
P(red)
Express the probability as a fraction.

What are the odds in favor of drawing red marble?

11. You roll a number cube numbered from 1 to 6.
P(not a 4)
Express the probability as a decimal. Round to the nearest hundredth.

What are the odds in favor of rolling a number that is not a 4?

12. You roll a number cube numbered from 1 to 6.
P(2 or 4)
Express the probability as a percent. Round to the nearest percent.

What are the odds in favor of rolling a 2 or 4?

13. A jar contains 13 yellow and 10 green marbles. A marble is drawn at random.
P(not yellow)
Express the probability as a decimal. Round to the nearest hundredth.

What are the odds in favor of not choosing a yellow marble?

14. You roll a number cube numbered from 1 to 6.
P(a number less than 6)
Express the probability as a fraction.

What are the odds in favor of rolling number less than 6?