

Probability Word Problems - Worksheet

Name: _____

Date: _____

Instructions:

Solve the following probability problems using logic and reasoning. Use <https://FreeOnlineDiceRoller.com> if you want to simulate rolls.

Be sure to show your work and circle your final answer.

1. You roll a single die. What is the probability that you roll a 5?
2. You roll two dice. What is the probability that both land on even numbers?
3. You roll two dice. What is the probability their sum equals 7?
4. You roll three dice. What is the probability that at least one of them is a 6?
5. You roll a die 60 times. How many times would you expect to roll a 2?
6. If a die has sides numbered 1, 1, 1, 2, 3, 4, what is the probability of rolling a 1?
7. You flip a coin and roll a die. What is the probability of getting heads and a 6?
8. You roll two dice. What is the probability both numbers are the same?