

## Probability: Fair die

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### Data and Graphing Worksheet

Study the problem and answer the probability questions.

Write your answer as a fraction and simplify if possible.

A fair die is tossed.



*Remember: 1 is not a prime number*

1. What is the probability of rolling a 3? \_\_\_\_\_
2. What is the probability of rolling more than 4? \_\_\_\_\_
3. What is the probability of rolling less than 5? \_\_\_\_\_
4. What is the probability of rolling an even number? \_\_\_\_\_
5. What is the probability of rolling an odd number? \_\_\_\_\_
6. What is the probability of rolling a prime number? \_\_\_\_\_
7. What is the probability of rolling a 3 or a 6? \_\_\_\_\_
8. What is the probability of rolling an even prime number? \_\_\_\_\_

## Answers

A fair die is tossed.



*Remember: 1 is not a prime number*

What is the probability of rolling a 3?  $1/6$

What is the probability of rolling more than 4?  $1/3$

What is the probability of rolling less than 5?  $2/3$

What is the probability of rolling an even number?  $1/2$

What is the probability of rolling an odd number?  $1/2$

What is the probability of rolling a prime number?  $1/2$

What is the probability of rolling a 3 or a 6?  $1/3$

What is the probability of rolling an even prime number?  $1/6$