



Probability: Fair die

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

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|--|---------------|
| What is the probability of rolling a 3? | $\frac{1}{6}$ |
| What is the probability of rolling more than 4? | $\frac{1}{3}$ |
| What is the probability of rolling less than 5? | $\frac{2}{3}$ |
| What is the probability of rolling an even number? | $\frac{1}{2}$ |
| What is the probability of rolling an odd number? | $\frac{1}{2}$ |
| What is the probability of rolling a prime number? | $\frac{1}{2}$ |
| What is the probability of rolling a 3 or a 6? | $\frac{1}{3}$ |
| What is the probability of rolling an even prime number? | $\frac{1}{6}$ |