Determining Probability - Spinner Name:

While at the carnival John won a dart tossing game. The prizes he could win are on the wheel below. Use the prize wheel to answer the questions.

1) How many sections are there total on the spinner?

2) What is the probability of the spinner landing on Cotton Candy?

3) What is the probability of the spinner landing on Pop corn?

4) What is the probability of the spinner landing on Ice Cream?

5) Which prize would the spinner have the largest probability of landing on?

6) Which prize would the spinner have the lowest probability of landing on?

7) Would the spinner be more likely to land on Ice Cream or Pop corn?

8) What is the probability of the spinner landing on either Cotton Candy OR Pop corn?

9) John wants to win either Cotton Candy or Pop corn. Which one would he have the highest probability of winning?

10) If all the Cotton Candy sections were changed to Pop corn, what would be the probability of the spinner landing on Pop corn?

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____

1-10	90	80	70	60	50	40	30	20	10	0

Determining Probability - Dice

Name:

Use the information provided to find the probability. Remember a die has 6 sides and may also be called a 'fair number cube.

Determine the probability if you were rolling a 11 sided die .

1) What is the probability of rolling an even number? _____

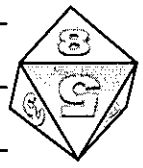
2) What is the probability of rolling an odd number? _____

3) What is the probability of rolling a number higher than 10? _____

4) What is the probability of rolling an odd number less than 5? _____

5) True / False: It is impossible to roll a 20. _____

6) True / False: You will definitely roll a number less than 8. _____



A 12 sided die.

Determine the probability if you were rolling a fair number cube .

7) What is the probability of rolling an even number? _____

8) What is the probability of rolling an odd number? _____

9) What is the probability of rolling a number higher than 4? _____

10) What is the probability of rolling an odd number less than 5? _____

11) True / False: It is impossible to roll a 5. _____

12) True / False: You will definitely roll a number less than 7. _____

Determine the probability if you were rolling a 14 sided die .

13) What is the probability of rolling an odd number? _____

14) What is the probability of rolling an even number? _____

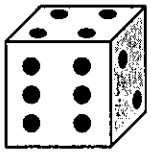
15) What is the probability of rolling a number higher than 2? _____

16) What is the probability of rolling an odd number less than 11? _____

17) True / False: It is impossible to roll a 26. _____

18) True / False: You will definitely roll a number less than 14. _____

A 20 sided die.



A 'die' or 'fair number cube'.

Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____

1-10	94	89	83	78	72	67	61	56	50	44
11-18	39	33	28	22	17	11	6	0		