



Name _____ Class _____ Date _____

1 From the alphabet, one letter is picked, if a letter is picked **80** times, about how many times will it be a **vowel**?

- A 20 **A B C D E F...**
- B 18
- C 15
- D 3

3 If a **die** is rolled one time and Janice wants **even numbers**, what is the **sample space**?

- A $\frac{1}{2}$ C {0, 1, 2, 3, 4, 5, 6}
- B 1 D {1, 2, 3, 4, 5, 6}

2 If the spinner shown is spun **38** times, about how many times will it **land** on a **solid** space?

- A 15
- B 13
- C 8
- D 6



4 Erika is playing a game. She picks a number **1-5** and a color, either **green** or **yellow**. What is the **sample space**?

- A {1G, 2G, 3G, 4G, 5G}
- B {1G, 1Y, 2G, 2Y, 3G, 4G, 4Y, 5G, 5Y}
- C {1G, 1Y, 2G, 2Y, 3G, 3Y, 4G, 4Y, 5G}



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

7 Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

- A Blue Jeans, Red Top, Sneakers
- B Blue Jeans, White Top, Sandals
- C Black Jeans, White Top, Sneakers
- D Blue Jeans, Red Top, Sandals



a **sugar, plain** or **dipped** cone?

- A 5 C 9
- B 6 D 12

9 Using the **counting principle** means to **add** all choices together to get the total number of outcomes.

True or false?

- A true
- B false

10 Sam goes to a sub shop for a sandwich. He has four decisions to make: bread, meat, dressing, and cheese. His choices are **white** or **wheat** bread, **ham, turkey** or **bologna, mayonnaise** or **oil** and **American** cheese or **provolone** cheese. Using the **counting principle** how many different types of sandwiches that each have four items could Sam choose from?

- A 24 B 12 C 9 D 7



ANSWER KEY

From the alphabet, one letter is picked, if a letter is picked **80** times, about how many times will it be a **vowel**?

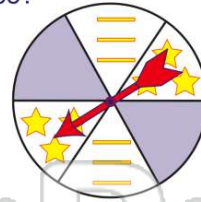
- A** 20
- B** 18
- C** 15
- D** 3

A B C D E F...

(C)

If the spinner shown is spun **38** times, about how many times will it **land** on a **solid** space?

- A** 15
- B** 13
- C** 8
- D** 6



(b)

If a **die** is rolled one time and Janice wants **even numbers**, what is the **sample space**?

- A** $\frac{1}{2}$
- B** $\frac{1}{3}$
- C** {0, 1, 2, 3, 4, 5, 6}
- D** {1, 2, 3, 4, 5, 6}

(d)

Erika is playing a game. She picks a number **1-5** and a color, either **green** or **yellow**. What is the **sample space**?

- A** {1G, 2G, 3G, 4G, 5G}
- B** {1G, 1Y, 2G, 2Y, 3G, 4G, 4Y, 5G, 5Y}
- C** {1G, 1Y, 2G, 2Y, 3G, 3Y, 4G, 4Y, 5G, 5Y}

(C)



PREVIEW

Please [Sign In](#) or [Sign Up](#) to download the printable version of this worksheet

- A** Red Top, Sneakers
- B** Blue Jeans, White Top, Sandals
- C** Black Jeans, White Top, Sneakers
- D** Blue Jeans, Red Top, Sandals

- A** 5
- B** 6
- C** 9
- D** 12

Using the **counting principle** means to **add** all choices together to get the total number of outcomes.

True or false?

- A** true
- B** false

(b)

Sam goes to a sub shop for a sandwich. He has four decisions to make: bread, meat, dressing, and cheese. His choices are **white** or **wheat** bread, **ham**, **turkey** or **bologna**, **mayonnaise** or **oil** and **American** cheese or **provolone** cheese.

Using the **counting principle** how many different types of sandwiches that each have four items could Sam choose from?

- A** 24
- B** 12
- C** 9
- D** 7

(a)