



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 There is a probability of **.75** that Jose will miss the bus if he stays up past **11:00 p.m.** He does **not** want to miss the bus. What time should he go to bed?

- A 10:00 p.m.
- B 11:00 p.m.
- C 12:00 a.m.
- D does not matter



3 Grace is allowed to go swimming if the temperature is over **80°**. The probability that the temperature will be over **80°** is **.65**. Grace predicts that she will likely be able to go swimming.

True or false?



4 If a student studies for a test, there is a probability of **.8** that he will pass the test. If a student does **not** study there is a probability of **.2** that he will pass the test. Raphael predicts that if he studies, he will pass the test.

True or false?



## PREVIEW

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

7 A spinner is divided into 8 equal sections. The sections are colored as follows: 3 red, 2 blue, 1 green, 1 yellow, 1 purple, and 1 white. What letter would be predicted to appear next?

- A A
- B B
- C C
- D D

- A S
- B L
- C A
- D P

9 A die is rolled **50** times. The probability of an even number is **.6** and the probability of an odd number is **.4**.

Mary predicts an even number will be rolled next.

True or false?



- A true
- B false

10 A poll is taken among **20** students in a middle school to predict which is the more popular lunch meal: pizza or tacos. Of the students, **55%** said **pizza** and **45%** said **tacos**. It is accurate to conclude that pizza is the favorite among **all middle school students**.

True or false?

- A true
- B false





## ANSWER KEY

There is a probability of **.75** that Jose will miss the bus if he stays up past **11:00 p.m.** He does **not** want to miss the bus. **What time should he go to bed?**

- A** 10:00 p.m.
- B** 11:00 p.m.
- C** 12:00 a.m.
- D** does not matter



(a)

A restaurant offers certain lunches to be ready in **5 minutes**. The probability of those lunches being ready in 5 minutes is **.3**. **If he orders the 5-minute lunch, what is most likely true?**

- A** The lunch will be ready in 90 seconds.
- B** The lunch will be ready in 3 minutes.
- C** The lunch will be ready in 5 minutes.
- D** The lunch will not be ready in 5 minutes.

(d)

Grace is allowed to go swimming if the temperature is over **80°**. The probability that the temperature will be over 80° is **.65**. Grace predicts that she will likely be able to go swimming.

**True or false?**

- A** true
- B** false



(a)

If a student studies for a test, there is a probability of **.8** that he will pass the test. If a student does **not** study there is a probability of **.2** that he will pass the test. **Raphael predicts that if the studies, he will pass the test.**

**True or false?**

- A** true
- B** false

(a)



## PREVIEW

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

- A**
- B**
- C**
- D**

- A** S
- B** L
- C** A
- D** P

A die is rolled **50** times. The probability of an even number is **.6** and the probability of an odd number is **.4**.

**Mary predicts an even number will be rolled next.**

**True or false?**

- A** true
- B** false



(a)

A poll is taken among **20** students in a middle school to predict which is the more popular lunch meal: pizza or tacos. Of the students, **55%** said **pizza** and **45%** said **tacos**. It is accurate to conclude that pizza is the favorite among **all middle school students**.

**True or false?**

- A** true
- B** false



(b)