



Name _____ Class _____ Date _____

1

Odds are used to compare unfavorable possibilities with favorable possibilities.

True or false?

- A true
- B false

2

What are the **odds against** picking a **diamond** out of a deck of **52** cards?

- A 1:3
- B 1:4
- C 3:1
- D 4:1



3

What are the **odds against** picking a **blue** marble out of a jar filled with **8** pink, **6** blue, and **7** green marbles?

- A 21:7

4

The odds of the Superstars winning the championship are **15:1**. What are the **odds** of the Superstars **not winning** the championship?

5



PREVIEW

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7

- A $\frac{1}{3}$
- B $\frac{2}{3}$
- C $\frac{2}{9}$
- D $\frac{5}{9}$

- A $\frac{9}{14}$
- B $\frac{5}{14}$
- C $\frac{5}{7}$
- D $\frac{2}{7}$

9

At a restaurant, there are **7** beef, **5** chicken, and **4** seafood dishes. What is the **probability** that a customer will choose a seafood dish?

- A $\frac{1}{3}$
- B $\frac{1}{4}$
- C $\frac{3}{4}$
- D $\frac{5}{16}$

10

At an ice cream shop, there are **6** flavors of soft ice cream, **10** flavors of ice cream **with nuts**, and **16** flavors of ice cream **without nuts**. What is the **probability** of a customer ordering a flavor of ice cream with nuts?

- A 31%
- B 50%
- C 67%
- D 72%



Name _____ Class _____ Date _____

1 **Odds** are used to compare unfavorable possibilities with favorable possibilities.

True or false?

- A true
- B false

(A)

2 What are the **odds against** picking a **diamond** out of a deck of **52** cards?

- A 1:3
- B 1:4
- C 3:1
- D 4:1



(C)

3 What are the **odds against** picking a **blue** marble out of a jar filled with **8** pink, **6** blue, and **7** green marbles?

- A 21:7



(D)

4 The odds of the Superstars winning the championship are **15:1**. What are the **odds** of the Superstars **not winning** the championship?

(C)



(C)

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7

A $\frac{1}{3}$ B $\frac{2}{3}$ C $\frac{2}{9}$ D $\frac{5}{9}$

A $\frac{9}{14}$ B $\frac{5}{14}$ C $\frac{5}{7}$ D $\frac{2}{7}$

(D)

9 At a restaurant, there are **7** beef, **5** chicken, and **4** seafood dishes. What is the **probability** that a customer will choose a seafood dish?

- A $\frac{1}{3}$
- B $\frac{1}{4}$
- C $\frac{3}{4}$
- D $\frac{5}{16}$

(B)

10 At an ice cream shop, there are **6** flavors of soft ice cream, **10** flavors of ice cream **with nuts**, and **16** flavors of ice cream **without nuts**. What is the **probability** of a customer ordering a flavor of ice cream with nuts?

- A 31%
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- C 67%
- D 72%

(A)