



Name _____ Class _____ Date _____

- 1 The spinner shown is spun two times. What is the **probability** of getting a **3** the first time **and** an **odd** the second time?

A $\frac{1}{2}$ C $\frac{1}{10}$

B $\frac{1}{4}$ D $\frac{1}{16}$



- 3 Maria picks a card from a pack of 52 cards, does **not** return it to the deck, and then picks another card. What is the **probability** of picking a 4 **and** then an ace?

A $\frac{4}{663}$ C $\frac{16}{103}$

- 4 In a drawer, there are 4 brown, 6 black and 8 blue socks. If **two** socks are picked out of the drawer without looking, what is the **probability** that they are **both brown**?

A $\frac{4}{81}$ C $\frac{2}{51}$

5



PREVIEW

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

7

- B 10:3
C 4:1
D 3:1



- B 3:1
C 3:2
D 5:1



- 9 What are the **odds** of **not** picking an **S** out of the word **MISSISSIPPI**?

- A 4:11
B 11:4
C 4:7
D 7:4

- 10 What are the **odds** of **not** picking a **white** marble out of a bag with 4 yellow, 3 white, 2 brown, and 5 blue marbles?

- A 11:4
B 4:11
C 11:3
D 3:11



ANSWER KEY

The spinner shown is spun two times. What is the **probability** of getting a **3** the first time **and** an **odd** the second time?

A $\frac{1}{2}$ C $\frac{1}{10}$

B $\frac{1}{4}$ D $\frac{1}{16}$



(d)

There are **6 red**, **4 blue** and **2 green** marbles in a bag. If one is picked, **not** replaced and another one is picked, what is the **probability** of picking a **red and then a green** marble?

A $\frac{1}{4}$ C $\frac{1}{12}$

B $\frac{1}{11}$ D $\frac{12}{121}$



(b)

Maria picks a card from a pack of **52** cards, does **not** return it to the deck, and then picks another card. What is the **probability** of picking a **4 and then an ace**?

A $\frac{4}{663}$ C $\frac{16}{103}$

B $\frac{2}{663}$ D $\frac{8}{103}$

(a)

In a drawer, there are **4 brown**, **6 black** and **8 blue** socks. If **two** socks are picked out of the drawer without looking, what is the **probability** that they are **both brown**?

A $\frac{4}{81}$ C $\frac{2}{51}$

B $\frac{3}{81}$ D $\frac{1}{51}$

(c)



PREVIEW

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

What are the **odds** of **not** picking an **S** out of the word **MISSISSIPPI**?

A 4:11

B 11:4

C 4:7

D 7:4

(c)

What are the **odds** of **not** picking a **white** marble out of a bag with **4 yellow**, **3 white**, **2 brown**, and **5 blue** marbles?

A 11:4

B 4:11

C 11:3

D 3:11

(d)