



Name _____ Class _____ Date _____

1 What is the probability of the **independent events** of flipping a coin and getting **tails**, and rolling a die **and** getting a **4**?

- A $\frac{1}{2}$
- B $\frac{1}{6}$
- C $\frac{1}{8}$
- D $\frac{1}{12}$

3 From a deck of **52** playing cards, a card is picked and then replaced. What is the **probability** of picking a **queen and then a jack**?

- A $\frac{8}{104}$
- C $\frac{4}{2,704}$

2 If a die is rolled **two times**, what is the **probability** of getting **two 6s**?

- A $\frac{1}{36}$
- B $\frac{2}{12}$
- C $\frac{1}{12}$
- D $\frac{1}{6}$

4 The spinner shown is spun two times. What is the **probability** that it will land on **red both** times?

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



PREVIEW

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7 The probability of picking a **white** marble?

- A $\frac{7}{25}$
- B $\frac{7}{156}$
- C $\frac{12}{156}$
- D $\frac{21}{156}$

pick a **yellow** jellybean first **and then an orange** jellybean?

- A $\frac{121}{930}$
- B $\frac{132}{930}$
- C $\frac{121}{961}$
- D $\frac{121}{961}$

9 Margarita picks a card from a deck of **52** cards. Without replacing it, she picks another card from the deck. What is the **probability** she will pick a **heart and then a club**?

- A $\frac{1}{16}$
- B $\frac{1}{17}$
- C $\frac{13}{102}$
- D $\frac{13}{204}$

10 There are **6** blue, **8** black, and **4** brown socks in a drawer. If two are picked and the first one is **not replaced**, what is the **probability** of picking **2 blue socks**?

- A $\frac{64}{306}$
- B $\frac{30}{306}$
- C $\frac{16}{306}$
- D $\frac{11}{35}$



ANSWER KEY

What is the probability of the **independent events** of flipping a coin and getting **tails**, and rolling a die **and** getting a **4**?

- A $\frac{1}{2}$ C $\frac{1}{8}$
 B $\frac{1}{6}$ D $\frac{1}{12}$

(d)

If a die is rolled **two times**, what is the **probability** of getting **two 6s**?

- A $\frac{1}{36}$ C $\frac{1}{12}$
 B $\frac{2}{12}$ D $\frac{1}{6}$

(a)

From a deck of **52** playing cards, a card is picked and then replaced. What is the **probability** of picking a **queen and then a jack**?

- A $\frac{8}{104}$ C $\frac{4}{2,704}$
 B $\frac{16}{104}$ D $\frac{16}{2,704}$

(d)

The spinner shown is spun two times. What is the **probability** that it will land on **red both** times?

- A $\frac{1}{3}$ C $\frac{2}{3}$
 B $\frac{1}{9}$ D $\frac{2}{6}$



(b)



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- A $\frac{7}{25}$ B $\frac{7}{156}$ C $\frac{12}{156}$ D $\frac{21}{156}$

orange jellybean:

- A $\frac{121}{930}$ B $\frac{132}{930}$ C $\frac{121}{961}$ D $\frac{121}{961}$

Margarita picks a card from a deck of **52** cards. Without replacing it, she picks another card from the deck. What is the **probability** she will pick a **heart and then a club**?

- A $\frac{1}{16}$ B $\frac{1}{17}$ C $\frac{13}{102}$ D $\frac{13}{204}$

(d)

There are **6** blue, **8** black, and **4** brown socks in a drawer. If two are picked and the first one is **not replaced**, what is the **probability** of picking **2 blue socks**?

- A $\frac{64}{306}$ C $\frac{16}{306}$
 B $\frac{30}{306}$ D $\frac{11}{35}$

(b)