Using Probability

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 $\frac{1}{2}$ C $\frac{1}{8}$

B $\frac{1}{6}$ D $\frac{1}{12}$

2 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 $\frac{1}{6}$

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**?

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

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

5

7

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 $\frac{121}{961}$

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 $\frac{64}{306}$ C $\frac{16}{306}$

B $\frac{30}{306}$ D $\frac{11}{35}$

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**?

$A \frac{1}{2}$ $C \frac{1}{8}$

$B \frac{1}{6}$ $D \frac{1}{12}$

D

2 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

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**?

D

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

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

B

5

D

7

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

orange jellybean?

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

B

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**?

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

D

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**?

$A \frac{64}{306}$ $C \frac{16}{306}$

$B \frac{30}{306}$ $D \frac{11}{35}$

B

PREVIEW

Please **Sign In** or **Sign Up** to download the printable version of this worksheet