Name

Probability - Cards, From Hand, Pick Two Ordered, To Equation

1 Calculate the probability of drawing 9, 10 in order. Show as an equation

9♠ 2♣ 10♦

P(9, 10 in order)

A $\frac{1}{3} \cdot \frac{1}{2}$

B $\frac{2}{3}$

C $\frac{2}{4} \cdot \frac{2}{3} \cdot \frac{2}{2}$

D $\frac{2}{3} \cdot \frac{2}{2} \cdot \frac{2}{2} \cdot \frac{2}{2}$

E $\frac{1}{2} \cdot \frac{1}{2}$

2 Calculate the probability of drawing 10, Jack in order. Show as an equation

2♦ J♠ 4♦ 10♠

P(10, J in order)

A $\frac{2}{5} \cdot \frac{2}{4} \cdot \frac{2}{3}$

B $\frac{1}{3} \cdot \frac{1}{2} \cdot \frac{1}{2}$

C $\frac{2}{4}$

D $\frac{1}{4} \cdot \frac{1}{3}$

3 Calculate the probability of drawing 3, 4 in order. Show as an equation

4♣ 3♥ A♠ A♦

P(3, 4 in order)

A $\frac{3}{5} \cdot \frac{3}{4}$

B $\frac{2}{3}$

C $\frac{3}{4} \cdot \frac{3}{3} \cdot \frac{3}{2}$

D $\frac{1}{4} \cdot \frac{1}{3}$

E $\frac{2}{3} \cdot \frac{2}{2}$

4 Calculate the probability of drawing Queen, King in order. Show as an equation

2♦ K♦ Q♣

P(Q, K in order)

A $\frac{1}{5}$

B $\frac{3}{2} \cdot \frac{3}{2}$

C $\frac{3}{2} \cdot \frac{3}{2} \cdot \frac{3}{2} \cdot \frac{3}{2}$

D $\frac{1}{5} \cdot \frac{1}{4} \cdot \frac{1}{3} \cdot \frac{1}{2}$

E $\frac{1}{3} \cdot \frac{1}{2}$

5 Calculate the probability of drawing Jack, Queen in order. Show as an equation

4♥ 6♣ J♥ 6♠ Q♣

P(J, Q in order)

A $\frac{2}{5} \cdot \frac{2}{4} \cdot \frac{2}{3}$

B $\frac{3}{6}$

C $\frac{1}{6} \cdot \frac{1}{5}$

D $\frac{1}{3} \cdot \frac{1}{2} \cdot \frac{1}{2}$

E $\frac{1}{5} \cdot \frac{1}{4}$

6 Calculate the probability of drawing 3, 4 in order. Show as an equation

3♣ 4♠ 7♣

P(3, 4 in order)

A $\frac{2}{2}$

B $\frac{2}{4} \cdot \frac{2}{3} \cdot \frac{2}{2}$

C $\frac{3}{2}$

D $\frac{3}{5} \cdot \frac{3}{4} \cdot \frac{3}{3} \cdot \frac{3}{2}$

E $\frac{1}{3} \cdot \frac{1}{2}$

7 Calculate the probability of drawing Ace, 2 in order. Show as an equation

Q♥ A♥ 2♣ J♦ 8♣

P(A, 2 in order)

A $\frac{1}{5} \cdot \frac{1}{4}$

B $\frac{3}{4} \cdot \frac{3}{3}$

C $\frac{1}{4}$

D $\frac{2}{6} \cdot \frac{2}{5}$

8 Calculate the probability of drawing Jack, Queen in order. Show as an equation

Q♣ 6♣ J♠

P(J, Q in order)

A $\frac{3}{2} \cdot \frac{3}{2} \cdot \frac{3}{2} \cdot \frac{3}{2}$

B $\frac{1}{3}$

C $\frac{3}{2} \cdot \frac{3}{2}$

D $\frac{1}{3} \cdot \frac{1}{2}$

E $\frac{3}{3}$