



Math worksheet on 'Probability - Cards, From Hand, Pick Two Ordered, To Equation (Level 2)'. Part of a broader unit on 'Probability and Counting - Multiple Events - Practice'

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2 Calculate the probability of drawing 2, 3 in order. Show as an equation

J ♥	5 ♥	2 ♥
3 ♦		

P(2, 3 in order)

a $\frac{3}{6}$	b $\frac{1}{6}$
c $\frac{3}{5}$	d $\frac{1}{4} \cdot \frac{1}{3}$
e $\frac{2}{4} \cdot \frac{2}{3} \cdot \frac{2}{2}$	

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

6 ♥	A ♣	4 ♦
9 ♦	K ♥	7 ♦
2 ♥		

P(K, A in order)

a $\frac{1}{7} \cdot \frac{1}{6}$	b $\frac{3}{9} \cdot \frac{3}{8}$
c $\frac{3}{5}$	d $\frac{1}{6}$
e $\frac{3}{9} \cdot \frac{3}{8} \cdot \frac{3}{7} \cdot \frac{3}{6}$	

6 Calculate the probability of drawing 7, 8, 9, 10, Jack in order. Show as an equation

10 ♦	8 ♠	6 ♣
9 ♠	Q ♠	J ♠
7 ♣		

P(7, 8, 9, 10, J in order)

a $\frac{1}{6} \cdot \frac{1}{5} \cdot \frac{1}{4} \cdot \frac{1}{3} \cdot \frac{1}{2} \cdot \frac{1}{2}$	b $\frac{3}{5} \cdot \frac{3}{4} \cdot \frac{3}{3}$
c $\frac{2}{6} \cdot \frac{2}{5} \cdot \frac{2}{4}$	d $\frac{1}{7} \cdot \frac{1}{6} \cdot \frac{1}{5} \cdot \frac{1}{4} \cdot \frac{1}{3}$
e $\frac{3}{7} \cdot \frac{3}{6} \cdot \frac{3}{5} \cdot \frac{3}{4}$	

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

10 ♣	8 ♦	J ♥
Q ♦	A ♥	9 ♥

P(9, 10, J, Q in order)

a $\frac{2}{5} \cdot \frac{2}{4}$	b $\frac{3}{5} \cdot \frac{3}{4} \cdot \frac{3}{3}$
c $\frac{2}{6} \cdot \frac{2}{5} \cdot \frac{2}{4} \cdot \frac{2}{3}$	d $\frac{1}{6} \cdot \frac{1}{5} \cdot \frac{1}{4} \cdot \frac{1}{3}$

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

Q ♣	J ♥	5 ♠
8 ♥		

P(J, Q in order)

a $\frac{3}{4} \cdot \frac{3}{3}$	b $\frac{3}{6} \cdot \frac{3}{5} \cdot \frac{3}{4} \cdot \frac{3}{3}$
c $\frac{1}{2}$	d $\frac{3}{6} \cdot \frac{3}{5} \cdot \frac{3}{4}$
e $\frac{1}{4} \cdot \frac{1}{3}$	

5 Calculate the probability of drawing 4, 5, 6 in order. Show as an equation

4 ♦	8 ♥	6 ♥
5 ♦	3 ♦	J ♣

P(4, 5, 6 in order)

a $\frac{1}{6} \cdot \frac{1}{5} \cdot \frac{1}{4}$	b $\frac{2}{8}$
c $\frac{3}{4} \cdot \frac{3}{3} \cdot \frac{3}{2} \cdot \frac{3}{2} \cdot \frac{3}{2}$	d $\frac{2}{5} \cdot \frac{2}{4} \cdot \frac{2}{3} \cdot \frac{2}{2} \cdot \frac{2}{2}$
e $\frac{1}{5} \cdot \frac{1}{4}$	

7 Calculate the probability of drawing 5, 6 in order. Show as an equation

5 ♠	Q ♠	6 ♥
9 ♥	3 ♣	

P(5, 6 in order)

a $\frac{1}{5} \cdot \frac{1}{4}$	b $\frac{2}{6} \cdot \frac{2}{5} \cdot \frac{2}{4} \cdot \frac{2}{3}$
c $\frac{1}{5} \cdot \frac{1}{4} \cdot \frac{1}{3}$	d $\frac{3}{4} \cdot \frac{3}{3} \cdot \frac{3}{2}$
e $\frac{2}{5}$	