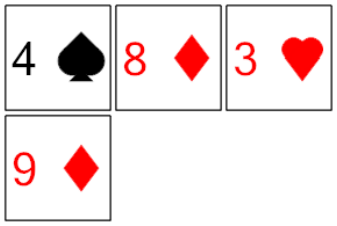
Math worksheet on *'Probability - Cards, From Hand, Pick Two Ordered, To Equation (Level 2)'*. Part of a broader unit on *'Probability and Counting - Multiple Events - Practice'*

Learn online:

app.mobius.academy/math/units/probability_counting_multiple_event_practice/

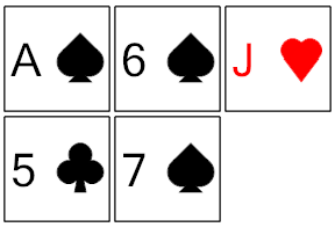
**1** Calculate the probability of drawing 3, 4 in order. Show as an equation




P(3, 4 in order)

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

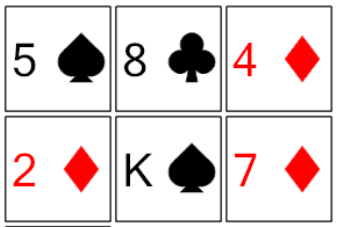
**2** Calculate the probability of drawing 6, 7 in order. Show as an equation




P(6, 7 in order)

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

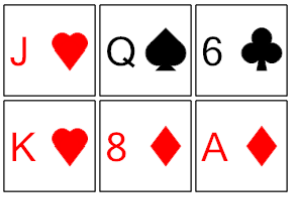
**3** Calculate the probability of drawing 4, 5 in order. Show as an equation




P(4, 5 in order)

**a** $\frac{3}{9} \cdot \frac{3}{8}$ **b** $\frac{3}{5} \cdot \frac{3}{4} \cdot \frac{3}{3} \cdot \frac{3}{2}$ **c** $\frac{1}{7} \cdot \frac{1}{6}$ **d** $\frac{3}{6}$ **e** $\frac{2}{6} \cdot \frac{2}{5}$

**4**

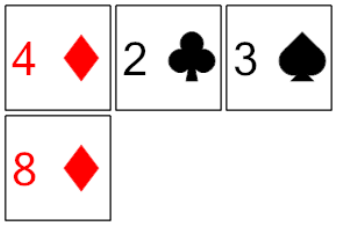



Calculate the probability of drawing Queen, King, Ace in order. Show as an equation

P(Q, K, A in order)

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

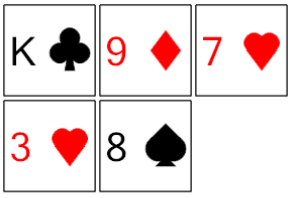
**5** Calculate the probability of drawing 2, 3 in order. Show as an equation




P(2, 3 in order)

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

**6**

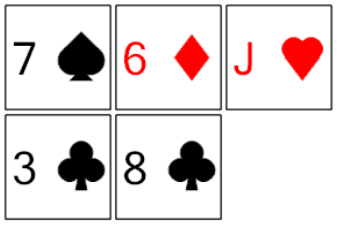



Calculate the probability of drawing 7, 8, 9 in order. Show as an equation

P(7, 8, 9 in order)

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

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




P(6, 7, 8 in order)

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