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Math worksheet on *'Probability Counting - Ways to Order 3 Cards, 0 Repeats - to Equation (Level 1)'*. Part of a broader unit on *'Probability and Counting - Single Event - Advanced'*

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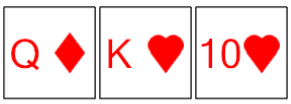
app.mobius.academy/math/units/probability_counting_single_event_advanced/

1 How many distinct ways can these cards be ordered? Show as a multiplication.

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

2 How many distinct ways can these cards be ordered? Show as a multiplication.

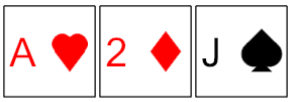


a $\frac{3 \cdot 2}{1 \cdot 3 \cdot 2}$	**b** $\frac{3 \cdot 2}{3 \cdot 2 \cdot 1}$
c $4 \cdot 3 \cdot 2$	**d** $3 \cdot 2$
e $\frac{3 \cdot 2}{1 \cdot 2}$	

3 How many distinct ways can these cards be ordered? Show as a multiplication.

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

4 How many distinct ways can these cards be ordered? Show as a multiplication.



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

5 How many distinct ways can these cards be ordered? Show as a multiplication.

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

6 How many distinct ways can these cards be ordered? Show as a multiplication.

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

7 How many distinct ways can these cards be ordered? Show as a multiplication.

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