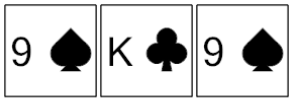
Math worksheet on *'Probability Counting - Ways to O 3 Cards, 1 Repeat - to Equation (Level 1)'*. Part of broader unit on *'Probability and Statistics - Probabil with Factorials Intro'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

1



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

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

2

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

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

3

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

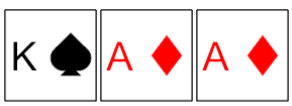
a	$\frac{3 \cdot 2}{2 \cdot 2}$	**b**	$\frac{4 \cdot 3 \cdot 2}{2 \cdot 2}$
c	$\frac{3 \cdot 2}{3 \cdot 2}$	**d**	$\frac{3 \cdot 2}{2}$
e	$\frac{3 \cdot 2}{3 \cdot 2 \cdot 1}$	**f**	$\frac{3 \cdot 2}{2 \cdot 3 \cdot 2}$

4

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

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

5



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

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

6

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

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

7

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

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

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