

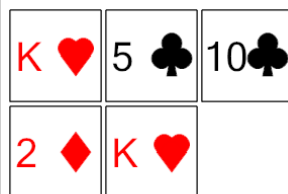


Math worksheet on 'Probability Counting - Ways to O 5 Cards, 1 Repeat - to Factorial Equation (Level 1)'. I of a broader unit on 'Probability and Statistics - Probability with Factorials Intro'

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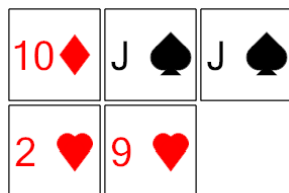
1



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

<b>a</b>	$\frac{7!}{2!}$	<b>b</b>	$\frac{5!}{2! \cdot 2!}$
<b>c</b>	$\frac{5!}{2!}$	<b>d</b>	$\frac{5!}{5! \cdot 0!}$
<b>e</b>	$\frac{5!}{2! \cdot 3!}$		

2



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

<b>a</b>	$\frac{5!}{2! \cdot 2!}$	<b>b</b>	$\frac{4!}{2!}$
<b>c</b>	$\frac{7!}{2!}$	<b>d</b>	$\frac{5!}{5! \cdot 0!}$
<b>e</b>	$\frac{5!}{2!}$	<b>f</b>	$\frac{7!}{4! \cdot 2!}$

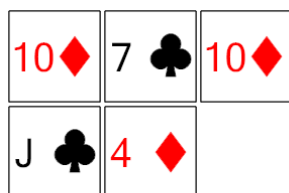
3



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

<b>a</b>	$\frac{5!}{2! \cdot 3!}$	<b>b</b>	$\frac{6!}{2!}$
<b>c</b>	$\frac{5!}{3!}$	<b>d</b>	$\frac{5!}{2! \cdot 2!}$
<b>e</b>	$\frac{5!}{5! \cdot 0!}$	<b>f</b>	$\frac{5!}{2!}$

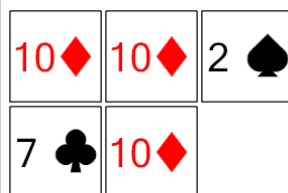
4



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

<b>a</b>	$\frac{5!}{3!}$	<b>b</b>	$\frac{5!}{5! \cdot 0!}$
<b>c</b>	$\frac{5!}{2!}$	<b>d</b>	$\frac{5!}{2! \cdot 2!}$
<b>e</b>	$\frac{5!}{2! \cdot 3!}$	<b>f</b>	$\frac{7!}{2!}$

5



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

<b>a</b>	$\frac{5!}{5! \cdot 0!}$	<b>b</b>	$\frac{5!}{2! \cdot 3!}$
<b>c</b>	$\frac{5!}{3!}$	<b>d</b>	$\frac{4!}{3!}$
<b>e</b>	$\frac{6!}{3! \cdot 3!}$	<b>f</b>	$\frac{5!}{3! \cdot 3!}$

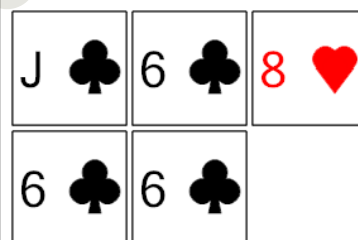
6



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

<b>a</b>	$\frac{5!}{5!}$	<b>b</b>	$\frac{3!}{3!}$
<b>c</b>	$\frac{5!}{3!}$	<b>d</b>	$\frac{4!}{3!}$
<b>e</b>	$\frac{7!}{4! \cdot 3!}$	<b>f</b>	$\frac{5!}{5! \cdot 0!}$

7



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

<b>a</b>	$\frac{5!}{3!}$	<b>b</b>	$\frac{5!}{5! \cdot 0!}$
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