



Math worksheet on 'Probability Counting - Duplicate Orders in 5 Cards, 1 Repeat - to Equation (Level 1)'.  
of a broader unit on 'Probability and Statistics - Probability with Factorials Intro'

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1 How many ways can these cards be arranged to still be arranged smallest to largest?  
Show as a multiplication.



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

2 How many ways can these cards be arranged to still be arranged smallest to largest?  
Show as a multiplication.



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

3 How many ways can these cards be arranged to still be arranged smallest to largest?  
Show as a multiplication.



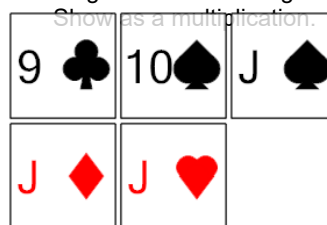
a	$3 \cdot 2 \cdot 3 \cdot 2$	b	$3 \cdot 2$
c	$4 \cdot 3 \cdot 2$	d	$\frac{1}{3 \cdot 2 \cdot 1}$
e	$\frac{2}{3 \cdot 2 \cdot 1}$	f	$5 \cdot 4 \cdot 3 \cdot 2$

4 How many ways can these cards be arranged to still be arranged smallest to largest?  
Show as a multiplication.



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

5 How many ways can these cards be arranged to still be arranged smallest to largest?  
Show as a multiplication.



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

6 How many ways can these cards be arranged to still be arranged smallest to largest?  
Show as a multiplication.



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

7 How many ways can these cards be arranged to still be arranged smallest to largest?  
Show as a multiplication.



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