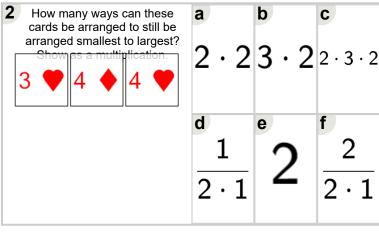# mobiu

Math worksheet on *'Probability Counting - Duplicate Orders in 3 Cards, 1 Repeat - to Equation (Level 1)'*. of a broader unit on *'Probability and Statistics - Probability with Factorials Intro'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

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

9 ♥　9 ♠　10 ♠

a	b	c
$4 \cdot 3 \cdot 2$	$\dfrac{2}{2 \cdot 1}$	2

d	e	f
$\dfrac{1}{2 \cdot 1}$	$2 \cdot 2$	$2 \cdot 3 \cdot 2$

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

3 ♥　4 ♦　4 ♥

a	b	c
$2 \cdot 2$	$3 \cdot 2$	$2 \cdot 3 \cdot 2$

d	e	f
$\dfrac{1}{2 \cdot 1}$	2	$\dfrac{2}{2 \cdot 1}$

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

7 ♦　8 ♥　8 ♦

a	b	c
$\dfrac{1}{2 \cdot 1}$	$4 \cdot 3 \cdot 2$	$2 \cdot 2$

d	e	f
$\dfrac{2}{2 \cdot 1}$	$3 \cdot 2$	2

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

Q ♣　K ♠　K ♣

a	b	c
$\dfrac{1}{2 \cdot 1}$	$4 \cdot 3 \cdot 2$	$3 \cdot 2$

d	e	f
$\dfrac{2}{2 \cdot 1}$	$2 \cdot 2$	2

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

10 ♠　J ♠　J ♣

a	b	c
$\dfrac{2}{2 \cdot 1}$	$2 \cdot 3 \cdot 2$	$\dfrac{1}{2 \cdot 1}$

d	e	f
2	$3 \cdot 2$	$2 \cdot 2$

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

7 ♠　8 ♣　8 ♦

a	b	c
$3 \cdot 2$	$4 \cdot 3 \cdot 2$	2

d	e	f
$2 \cdot 2$	$\dfrac{2}{2 \cdot 1}$	$\dfrac{1}{2 \cdot 1}$

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

2 ♣　2 ♠　3 ♥

a	b	c
$3 \cdot 2$	$\dfrac{1}{2 \cdot 1}$	$4 \cdot 3 \cdot 2$

d	e	f
2	$2 \cdot 3 \cdot 2$	$\dfrac{2}{2 \cdot 1}$