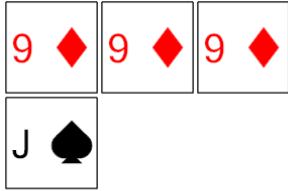


## Probability Counting - Ways to Order 4 Cards, 1 Repeat - to Equation

1



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

- |   |   |   |   |
|---|---|---|---|
| A | $\frac{3 \cdot 2}{3 \cdot 2}$                         | B | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2}$                 |
| C | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$ | D | $\frac{4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2}$ |
| E | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2}$         |   |   |

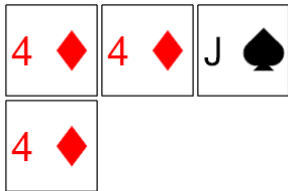
2



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

- |   |   |   |   |
|---|---|---|---|
| A | $\frac{4 \cdot 3 \cdot 2}{2}$                         | B | $\frac{4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2}$ |
| C | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$ | D | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2}$ |

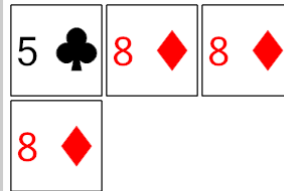
3



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

- |   |   |   |   |
|---|---|---|---|
| A | $\frac{3 \cdot 2}{3 \cdot 2}$                         | B | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2}$ |
| C | $\frac{4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2}$ | D | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2}$         |
| E | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$ |   |   |

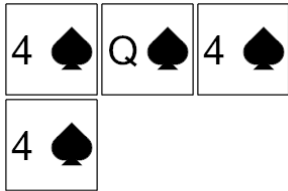
4



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

- |   |   |   |   |
|---|---|---|---|
| A | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2}$ | B | $\frac{4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2}$ |
| C | $\frac{3 \cdot 2}{3 \cdot 2}$                 | D | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$ |
| E | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2}$         | F | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2}$         |

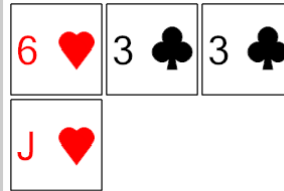
5



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

- |   |   |   |   |
|---|---|---|---|
| A | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2}$                 | B | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$ |
| C | $\frac{4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2}$ | D | $\frac{3 \cdot 2}{3 \cdot 2}$                         |

6

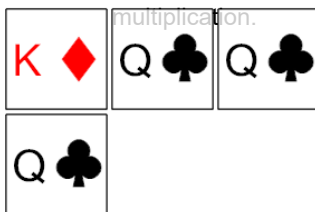


How many distinct ways can these cards be ordered? Show as a multiplication.

- |   |   |   |                               |
|---|---|---|-------------------------------|
| A | $\frac{4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2}$         | B | $\frac{3 \cdot 2}{2}$         |
| C | $\frac{4 \cdot 3 \cdot 2}{2 \cdot 2}$                 | D | $\frac{4 \cdot 3 \cdot 2}{2}$ |
| E | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$ |   |                               |

7

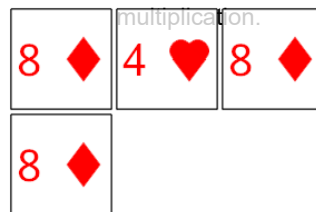
How many distinct ways can these cards be ordered? Show as a multiplication.



- |   |   |   |   |
|---|---|---|---|
| A | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$         | B | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2}$                         |
| C | $\frac{4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2}$                 | D | $\frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 3 \cdot 2}$ |
| E | $\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2}$ |   |   |

8

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



- |   |   |   |   |
|---|---|---|---|
| A | $\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$ | B | $\frac{4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2}$                 |
| C | $\frac{4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2 \cdot 1}$ | D | $\frac{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 3 \cdot 2}$ |
| E | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 3 \cdot 2}$ | F | $\frac{4 \cdot 3 \cdot 2}{3 \cdot 2}$                                 |