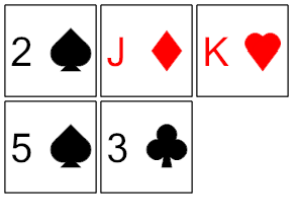
Math worksheet on *'Probability Counting - Ways to O 5 Cards, 0 Repeats - to Factorial Equation (Level 1* Part of a broader unit on *'Probability and Statistics Probability with Factorials Intro'*

Learn online:

app.mobius.academy/math/units/probability_and_statistics_probability_with_factorials

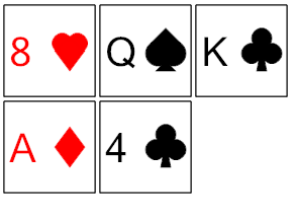
**1**



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

| | | | |
|---|---|---|---|
| **a** | $5!$ | **b** | $\frac{5!}{2!}$ |
| **c** | $4!$ | **d** | $\frac{5!}{1! \cdot 2!}$ |
| **e** | $\frac{5!}{5! \cdot 0!}$ | | |

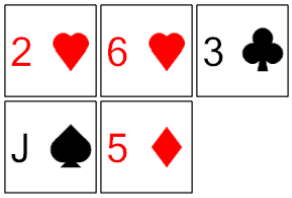
**2**



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

| | | | |
|---|---|---|---|
| **a** | $3!$ | **b** | $5!$ |
| **c** | $\frac{5!}{5! \cdot 0!}$ | **d** | $6!$ |
| **e** | $\frac{5!}{1! \cdot 2!}$ | | |

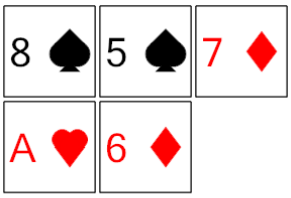
**3**



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

| | | | |
|---|---|---|---|
| **a** | $\frac{5!}{1! \cdot 3!}$ | **b** | $\frac{7!}{4!}$ |
| **c** | $\frac{5!}{5! \cdot 0!}$ | **d** | $5!$ |
| **e** | $7!$ | **f** | $\frac{5!}{1! \cdot 2!}$ |

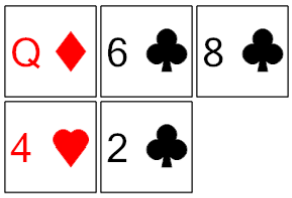
**4**



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

| | | | |
|---|---|---|---|
| **a** | $\frac{6!}{3!}$ | **b** | $5!$ |
| **c** | $4!$ | **d** | $\frac{5!}{1! \cdot 3!}$ |
| **e** | $\frac{5!}{5! \cdot 0!}$ | | |

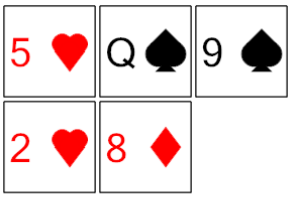
**5**



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

| | | | |
|---|---|---|---|
| **a** | $\frac{5!}{1! \cdot 3!}$ | **b** | $\frac{5!}{5! \cdot 0!}$ |
| **c** | $3!$ | **d** | $\frac{5!}{3!}$ |
| **e** | $5!$ | **f** | $4!$ |

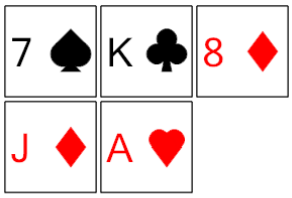
**6**



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

| | | | |
|---|---|---|---|
| **a** | $\frac{5!}{2!}$ | **b** | $5!$ |
| **c** | $\frac{6!}{3!}$ | **d** | $\frac{5!}{5! \cdot 0!}$ |
| **e** | $3!$ | **f** | $7!$ |

**7**



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

| | | | |
|---|---|---|---|
| **a** | $6!$ | **b** | $\frac{7!}{4!}$ |
| **c** | $\frac{5!}{2!}$ | **d** | $\frac{5!}{1! \cdot 3!}$ |
| **e** | $5!$ | **f** | $\frac{5!}{5! \cdot 0!}$ |