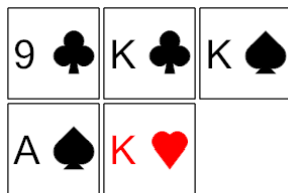




Probability Counting - Choose N Cards from M, Count of Total Outcomes - To Factorial Equation

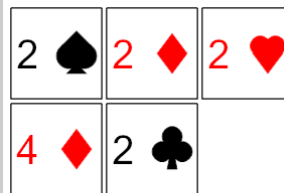
1



How many total ways can 2 cards be drawn from this set?
Show as a factorial.

| | | | |
|---|--------------------------|---|--------------------------|
| A | $\frac{7!}{4! \cdot 3!}$ | B | $\frac{5!}{4! \cdot 1!}$ |
| C | $\frac{5!}{2! \cdot 3!}$ | D | $\frac{2!}{5! \cdot 3!}$ |
| E | $\frac{5!}{3!}$ | | |

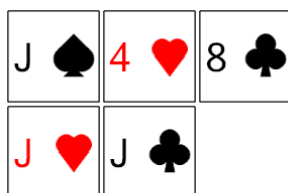
2



How many total ways can 2 cards be drawn from this set?
Show as a factorial.

| | | | |
|---|--------------------------|---|--------------------------|
| A | $\frac{5!}{3!}$ | B | $\frac{7!}{2! \cdot 5!}$ |
| C | $\frac{3!}{3! \cdot 0!}$ | D | $\frac{5!}{2! \cdot 3!}$ |
| E | $\frac{2!}{5! \cdot 3!}$ | | |

3



How many total ways can 2 cards be drawn from this set?
Show as a factorial.

| | | | |
|---|--------------------------|---|--------------------------|
| A | $\frac{2!}{5! \cdot 3!}$ | B | $\frac{5!}{3!}$ |
| C | $\frac{3!}{3! \cdot 0!}$ | D | $\frac{5!}{2! \cdot 3!}$ |
| | | | |

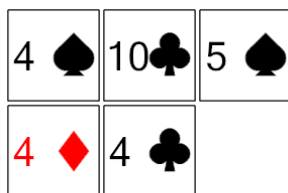
4



How many total ways can 3 cards be drawn from this set?
Show as a factorial.

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

5



How many total ways can 2 cards be drawn from this set?
Show as a factorial.

| | | | |
|---|--------------------------|---|--------------------------|
| A | $\frac{5!}{3!}$ | B | $\frac{2!}{5! \cdot 3!}$ |
| C | $\frac{5!}{2! \cdot 3!}$ | D | $\frac{7!}{4! \cdot 3!}$ |
| | | | |

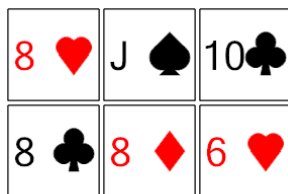
6



How many total ways can 3 cards be drawn from this set?
Show as a factorial.

| | | | |
|---|--------------------------|---|--------------------------|
| A | $\frac{3!}{5! \cdot 2!}$ | B | $\frac{3!}{3! \cdot 0!}$ |
| C | $\frac{5!}{2!}$ | D | $\frac{5!}{3! \cdot 2!}$ |
| | | | |

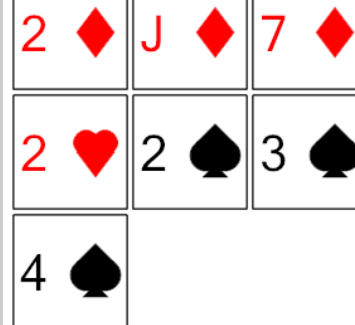
7



How many total ways can 2 cards be drawn from this set?
Show as a factorial.

| | | | |
|---|--------------------------|---|--------------------------|
| A | $\frac{5!}{3! \cdot 2!}$ | B | $\frac{7!}{2! \cdot 5!}$ |
| C | $\frac{4!}{2! \cdot 2!}$ | D | $\frac{6!}{2! \cdot 4!}$ |
| E | $\frac{6!}{4!}$ | F | $\frac{2!}{6! \cdot 4!}$ |

8



How many total ways can 2 cards be drawn from this set?
Show as a factorial.

| | | | |
|---|--------------------------|---|-----------------|
| A | $\frac{7!}{2! \cdot 5!}$ | B | $\frac{7!}{5!}$ |
|---|--------------------------|---|-----------------|