

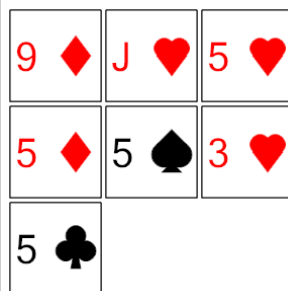


Math worksheet on 'Probability Counting - Choose / Count of Favorable Outcomes - To Bracket Notation a broader unit on 'Probability and Statistics - Permutations Calculating - Practice

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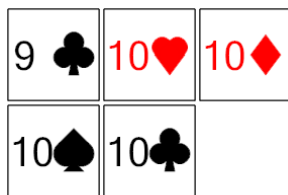
1



How many ways can two 5s be drawn from this set? Show as a binomial coefficient (bracket notation).

a	$\begin{pmatrix} 2 \\ 4 \end{pmatrix}$	b	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$
c	$\begin{pmatrix} 6 \\ 2 \end{pmatrix}$	d	$\begin{pmatrix} 5 \\ 3 \end{pmatrix}$
e	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$	f	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$

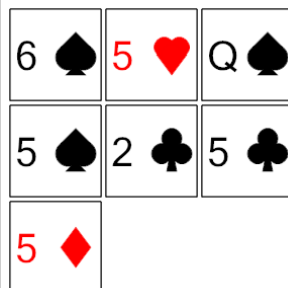
2



How many ways can two 10s be drawn from this set? Show as a binomial coefficient (bracket notation).

a	$\begin{pmatrix} 2 \\ 4 \end{pmatrix}$	b	$\begin{pmatrix} 4 \\ 4 \end{pmatrix}$
c	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$	d	$\begin{pmatrix} 6 \\ 3 \end{pmatrix}$
e	$\begin{pmatrix} 6 \\ 2 \end{pmatrix}$	f	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$

3



How many ways can two 5s be drawn from this set? Show as a binomial coefficient (bracket notation).

a	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$	b	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$
c	$\begin{pmatrix} 2 \\ 4 \end{pmatrix}$	d	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$
e	$\begin{pmatrix} 6 \\ 2 \end{pmatrix}$	f	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$

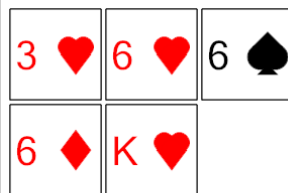
4

How many ways can two Kings be drawn from this set? Show as a binomial coefficient (bracket notation).



a	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$	b	$\begin{pmatrix} 4 \\ 4 \end{pmatrix}$	c	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$
d	$\begin{pmatrix} 5 \\ 3 \end{pmatrix}$	e	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$	f	$\begin{pmatrix} 2 \\ 3 \end{pmatrix}$

5



How many ways can two 6s be drawn from this set? Show as a binomial coefficient (bracket notation).

a	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$	b	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$
c	$\begin{pmatrix} 5 \\ 3 \end{pmatrix}$	d	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$
e	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$	f	$\begin{pmatrix} 2 \\ 3 \end{pmatrix}$

6



How many ways can two 6s be drawn from this set? Show as a binomial coefficient (bracket notation).

a	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$	b	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$
c	$\begin{pmatrix} 4 \\ 2 \end{pmatrix}$	d	$\begin{pmatrix} 6 \\ 3 \end{pmatrix}$
e	$\begin{pmatrix} 2 \\ 4 \end{pmatrix}$	f	$\begin{pmatrix} 6 \\ 2 \end{pmatrix}$

7



How many ways can two 10s be drawn from this set? Show as a binomial coefficient (bracket notation).

a	$\begin{pmatrix} 5 \\ 3 \end{pmatrix}$	b	$\begin{pmatrix} 2 \\ 3 \end{pmatrix}$
c	$\begin{pmatrix} 3 \\ 3 \end{pmatrix}$	d	$\begin{pmatrix} 5 \\ 2 \end{pmatrix}$
e	$\begin{pmatrix} 3 \\ 2 \end{pmatrix}$		