

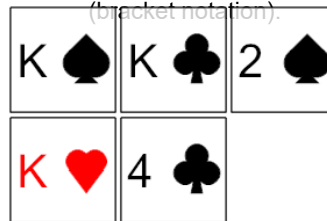


Math worksheet on 'Probability Counting - Choose / Count of Total Outcomes - To Bracket Notation (Le broader unit on 'Probability and Statistics - Perr Combinations Calculating - Practice

Learn online:

app.mobius.academy/math/units/probability_and_statistics_permutations_and_combi

1 How many total ways can 2 cards be drawn from this set? Show as a binomial coefficient (bracket notation).



| | | |
|------------------|------------------|------------------|
| a $\binom{4}{2}$ | b $\binom{6}{2}$ | c $\binom{5}{2}$ |
| d $\binom{5}{3}$ | e $\binom{2}{5}$ | f $\binom{7}{4}$ |

2 How many total ways can 3 cards be drawn from this set? Show as a binomial coefficient (bracket notation).



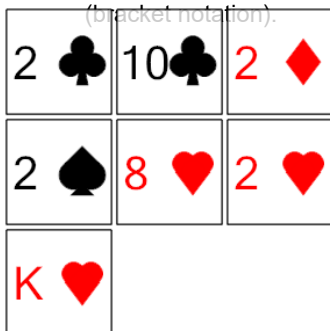
| | | |
|------------------|------------------|------------------|
| a $\binom{7}{4}$ | b $\binom{5}{4}$ | c $\binom{6}{5}$ |
| d $\binom{3}{6}$ | e $\binom{6}{3}$ | f $\binom{8}{5}$ |

3 How many total ways can 2 cards be drawn from this set? Show as a binomial coefficient (bracket notation).



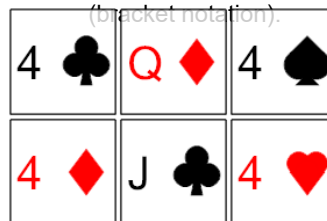
| | | |
|------------------|------------------|------------------|
| a $\binom{2}{5}$ | b $\binom{6}{2}$ | c $\binom{5}{2}$ |
| d $\binom{3}{2}$ | e $\binom{7}{3}$ | f $\binom{7}{2}$ |

4 How many total ways can 3 cards be drawn from this set? Show as a binomial coefficient (bracket notation).



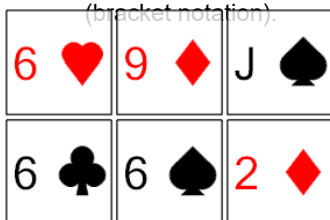
| | | |
|------------------|------------------|------------------|
| a $\binom{7}{3}$ | b $\binom{7}{2}$ | c $\binom{5}{5}$ |
| d $\binom{3}{7}$ | e $\binom{6}{5}$ | f $\binom{6}{4}$ |

5 How many total ways can 2 cards be drawn from this set? Show as a binomial coefficient (bracket notation).



| | | |
|------------------|------------------|------------------|
| a $\binom{6}{2}$ | b $\binom{5}{4}$ | c $\binom{7}{3}$ |
| d $\binom{5}{2}$ | e $\binom{2}{6}$ | f $\binom{8}{2}$ |

6 How many total ways can 2 cards be drawn from this set? Show as a binomial coefficient (bracket notation).



| | | |
|------------------|------------------|------------------|
| a $\binom{8}{4}$ | b $\binom{5}{3}$ | c $\binom{4}{2}$ |
| d $\binom{6}{2}$ | e $\binom{4}{4}$ | f $\binom{2}{6}$ |

7 How many total ways can 2 cards be drawn from this set? Show as a binomial coefficient (bracket notation).



| | | |
|------------------|------------------|------------------|
| a $\binom{5}{3}$ | b $\binom{8}{2}$ | c $\binom{7}{2}$ |
| d $\binom{2}{6}$ | e $\binom{7}{4}$ | f $\binom{6}{2}$ |