

mobius

Probability Counting - Ways to Order 5 Cards, 1 Repeat - to Equation



How many distinct ways can these cards be ordered? Show as a multiplication. The state of the s	$ \begin{array}{c} A \\ 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 5 \cdot 4 \cdot 3 \cdot 2 \cdot 1 \end{array} $ $ \begin{array}{c} C \\ 7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 3 \cdot 2 \end{array} $	$\frac{\frac{B}{5} \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2}$	How many distinct ways can these cards be ordered? Show as a full filled from the first term of the fi	$ \frac{\overset{A}{5} \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2} $ $ \overset{C}{\underbrace{5 \cdot 4 \cdot 3 \cdot 2}} $ $ 5 \cdot 4 \cdot 3 \cdot 2 \cdot 1 $ $ \overset{E}{3} \cdot 2 $	$ \frac{\stackrel{B}{\cancel{5}} \cdot 4 \cdot 3 \cdot 2}{\cancel{5} \cdot 4 \cdot 3 \cdot 2} $ $ \frac{\stackrel{B}{\cancel{5}} \cdot 4 \cdot 3 \cdot 2}{\cancel{3} \cdot 2} $ $ \frac{^{A}{\cancel{4}} \cdot 3 \cdot 2}{\cancel{3} \cdot 2} $
How many distinct ways can these cards be ordered? Show as a multiplication. A P Q • Q • Q • Q • Q • Q • Q • Q • Q • Q	$\frac{3 \cdot 2}{\overset{\text{C}}{6} \cdot 5 \cdot 4 \cdot 3 \cdot 2}$	$ \frac{\frac{8}{5} \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 3 \cdot 2} $ $ \frac{\frac{5}{5} \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1} $	How many distinct ways can these cards be ordered? Show as a 6 6 2 2	$\frac{\overset{A}{\overset{7\cdot 6\cdot 5\cdot 4\cdot 3\cdot 2}{3\cdot 2\cdot 2}}}{\overset{6}{\overset{1}{\overset{1}{\overset{1}{\overset{1}{\overset{1}{\overset{1}{\overset$	B 7 · 6 · 5 · 4 · 3 · 2 2
How many distinct ways can these cards be ordered? Show as a multiplication. Q	$\frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2}$	5 · 4 · 3 · 2 · 1	How many distinct ways can these cards be ordered? Show as a multiplication. 7	2	$\begin{array}{c} {}^{B} \ \frac{3 \cdot 2}{2} \\ \\ \hline \frac{{}^{D}_{6 \cdot 5 \cdot 4 \cdot 3 \cdot 2}}{2 \cdot 2} \\ \\ \hline \frac{{}^{E}_{5 \cdot 4 \cdot 3 \cdot 2}}{2 \cdot 3 \cdot 2} \end{array}$
How many distinct ways can these cards be ordered? Show as a multiplication. 10 2	C	$ \begin{array}{c} 5 \cdot 4 \cdot 3 \cdot 2 \cdot 1 \\ D \\ 7 \cdot 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 2 \end{array} $	Q • Q • 9 •	$\frac{\overset{C}{6\cdot 5\cdot 4\cdot 3\cdot 2}}{3\cdot 2\cdot 3\cdot 2}$	$ \frac{5 \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 1} $ $ \frac{5 \cdot 4 \cdot 3 \cdot 2}{4 \cdot 3 \cdot 2} $ $ \frac{5 \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2} $