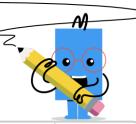


mobius

Probability Counting - Ways to Order 5 Cards, 2 Repeat - to Equation



How many distinct ways can these cards be ordered? Show as a will be a second s	$ \frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2 \cdot 1}{\cancel{2} \cdot 3 \cdot 2} $ $ \frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{\cancel{2} \cdot 3 \cdot 2} $ $ \frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{\cancel{3} \cdot 2 \cdot 3 \cdot 2} $	$\frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{2 \cdot 4 \cdot 3 \cdot 2}$	7 ♥ 5 ♦ 7 ♥ 5 ♦ 7 ♥	$5 \cdot 4 \cdot 3 \cdot 2 \cdot 2$ $5 \cdot 4 \cdot 3 \cdot 2$	5 · 4 · 3 · 2 · 1
How many distinct ways can these cards be ordered? Show as a 10 10 10 8 4	$\frac{\overset{C}{5\cdot 4\cdot 3\cdot 2}}{\overset{5\cdot 4\cdot 3\cdot 2\cdot 1}{5\cdot 4\cdot 3\cdot 2\cdot 2}}$ $\frac{\overset{E}{5\cdot 4\cdot 3\cdot 2}}{2\cdot 2}$	$ \frac{\cancel{5} \cdot \cancel{4} \cdot \cancel{3} \cdot \cancel{2}}{\cancel{2} \cdot \cancel{4} \cdot \cancel{3} \cdot \cancel{2}} $	ordered? Show as a multiplication. 7	$ \frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2} $ $ \frac{\cancel{3} \cdot \cancel{2}}{\cancel{2} \cdot \cancel{2}} $ $ \frac{\cancel{5}}{\cancel{5} \cdot 5 \cdot 4 \cdot 3 \cdot 2} $ $ \frac{\cancel{5}}{\cancel{2} \cdot \cancel{2}} $	$ \frac{{}^{8}4 \cdot 3 \cdot 2}{2 \cdot 2} $ $ \frac{{}^{6}5 \cdot 4 \cdot 3 \cdot 2}{2 \cdot 2} $ $ \frac{{}^{6}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 multiplication. 4 9 9 9 9 • 9 • 9	$ \frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 3 \cdot 2} $ $ \frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{5 \cdot 4 \cdot 3 \cdot 2 \cdot 2} $ $ \frac{\cancel{6} \cdot 5 \cdot 4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2 \cdot 2} $	$ \frac{\overline{3 \cdot 2 \cdot 2}}{\overset{D}{5 \cdot 4 \cdot 3 \cdot 2} \cdot 1} $	ordered? Show as a multiplication. 6		F
How many distinct ways can these cards be ordered? Show as a 4 • 4 • 5 • 5	$ \frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{2 \cdot 4 \cdot 3 \cdot 2} $ $ \frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2} $ $ \frac{\cancel{4} \cdot 3 \cdot 2}{2 \cdot 3 \cdot 2} $	2 · 3 · 2 F 5 · 4 · 3 · 2	can these cards be ordered? Show as a multiplication. 8	$\frac{\cancel{5} \cdot 4 \cdot 3 \cdot 2}{3 \cdot 2 \cdot 2}$	$ \frac{\begin{array}{c} B \\ 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 4 \cdot 3 \cdot 2 \\ \hline 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 3 \cdot 2 \cdot 2 \end{array} $ $ \frac{\begin{array}{c} D \\ 6 \cdot 5 \cdot 4 \cdot 3 \cdot 2 \\ \hline 2 \cdot 3 \cdot 2 \cdot 2 \end{array}}{2 \cdot 3 \cdot 2 \cdot 2} $