



Probability Calculation - nCm Notation - Simple Multiplication

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|---|---|---------------------|----------------|---------------|--------------------|-----------------|----------------|-----------------|
| <p>1 What is the value of this probability expression?</p> $\binom{2}{2} \cdot \binom{6}{5}$ | <p>2 What is the value of this probability expression?</p> $\binom{6}{4} \cdot \binom{6}{6}$ | | | | | | | |
| A 60 | B 12 | C $\frac{2}{5}$ | D 18 | E 6 | A 15 | B 4 | C 1 | D 6 |
| <p>3 What is the value of this probability expression?</p> $\binom{4}{4} \cdot \binom{5}{4}$ | <p>4 What is the value of this probability expression?</p> $\binom{3}{2} \cdot \binom{5}{5}$ | | | | | | | |
| A 1 | B $\frac{1}{2}$ | C $\frac{1}{40}$ | D 5 | A 3 | B $\frac{1}{2}$ | C 1 | D 6 | |
| <p>5 What is the value of this probability expression?</p> $\binom{4}{4} \cdot \binom{2}{2}$ | <p>6 What is the value of this probability expression?</p> $\binom{2}{2} \cdot \binom{6}{4}$ | | | | | | | |
| A $\frac{1}{3}$ | B $\frac{1}{150}$ | C 120 | D 1 | A 1 | B 15 | C 90 | D 80 | |
| <p>7 What is the value of this probability expression?</p> $\binom{6}{4} \cdot \binom{4}{3}$ | <p>8 What is the value of this probability expression?</p> $\binom{6}{4} \cdot \binom{5}{3}$ | | | | | | | |
| A 6 | B 15 | C 60 | D 4 | A 1 | B $\frac{5}{4}$ | C 150 | D 15 | E 300 |