

1. 9000
2. $5/18$
3. $5/324$
4. $20!/(8!20^{12})$
5. $(3!)^2/6!$
6. $\frac{n+1-k}{\binom{n}{k}}$
7. $\frac{n+1}{\binom{2n}{n}}$
8. $\frac{\binom{98}{10}}{\binom{100}{12}}$
9. $\frac{\binom{20}{6} + \binom{20}{10}}{\binom{24}{10}}$
10. $\frac{4\binom{13}{4}}{\binom{52}{4}}$
11. 0,6
12. 0,4
13. 0,5