

1) $\frac{4!}{1!} = 24$

2) $\frac{4!}{2!} = 12$

3) $\frac{4!}{3!} = 4$

4) $\binom{4}{2} \times 2! = \frac{4 \times 3}{2} \times 2 \times 1 = 12$

5) $\binom{4}{3} \times 3! = \frac{4 \times 3 \times 2}{3 \times 2 \times 1} \times 3 \times 2 \times 1 = 24$

6) $\binom{4}{1} \times \frac{4!}{1} = 4 \times 24 = 96$

7) $\binom{4}{2} \times 2! = \binom{4}{2} \times 2! = 6 \times 2 \times 1 = 12$

8) $\binom{4}{3} \times 3! = 4 \times 2 \times 1 = 8$

9) $\binom{4}{1} \times 4! = 4 \times 24 = 96$

10) $\frac{4!}{1!} = 24$

11) $\frac{4!}{2!} = 12$

12) $\frac{4!}{3!} = 4 \times 1 = 4$

13) $\frac{4!}{4!} = 1$

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14) $d, a, e, e \rightarrow \begin{matrix} 4! \\ \hline 2!2! \end{matrix} = 4 \times 2 \times 2 = 16$

15) $4!2!$

16) $2!2!2!$

17) $2!(2!)2! = 2 \times 2 \times 2$

18) $\text{صورتیں} = \text{کامیاب} - \text{نہ کامیاب} = 10! - 4!2! - 2!2!2!$

19) $2!2!2!2!$

20) $2!2!$