

- ① $1! \rightarrow 1$ (تکلیف)
- ② $2! = 2 \times 1 = 2$
- ③ $3! = 3 \times 2 \times 1 = 6$
- ④ $4! = 4 \times 3 \times 2 \times 1 = 24$
- ⑤ $5! = 5 \times 4 \times 3 \times 2 \times 1 = 120$
- ⑥ $6! = 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 720$
- ⑦ $7! = 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 5040$
- ⑧ $8! = 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 40320$
- ⑨ $9! = 9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 362880$
- ⑩ $10! = 10 \times 9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 3628800$

⑥ بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 100$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 100$

⑦ بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 12$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 18$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 60$

⑧ بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 18$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 30$

⑨ بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 29$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 9$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 6$

⑩ بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 10$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 6$

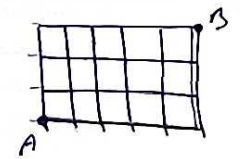
⑪ بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 15$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 9$

⑫ رقم درست پر ۲
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 32$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 6$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 9$

⑬ بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 40$
 بانڈر $\rightarrow \frac{4}{1} \times \frac{3}{2} \times \frac{2}{1} = 12$

⑭ $\frac{4!}{2! \times 2!} = \frac{4 \times 3 \times 2 \times 1}{2 \times 2} = 6$
 ⑮ $\rightarrow 6$

- ⑯ ۱۱۱-۵
- ⑰ ۱۱۲-۵
- ⑱ ۱۱۳-۵
- ⑲ ۱۱۴-۵

⑰ $\binom{4}{2} \binom{2}{1} =$
 $\frac{4!}{2! \times 2!} \times \frac{2!}{1! \times 1!} = 15$


⑱ $\frac{1!}{1! \times 1!} = 1$

⑲ $4^0 = 1$
 $2^0 = 1$
 $10 \times 2^4 = 10 \times 16 = 160$

⑳ $1 \times 1 \rightarrow 1 \times 1 = 1$
 $2 \times 2 \rightarrow 2 \times 2 = 4$
 $3 \times 3 \rightarrow 3 \times 3 = 9$

⑳ $\frac{4!}{2! \times 2!} = 6$
 ㉑ $\rightarrow 6$
 ㉒ $\rightarrow 6$