

$$4 \times 3 \times 2 \times 1 \rightarrow 4! = 24$$

(1)

$$\frac{1}{1} \times \frac{1}{2} \times \frac{1}{3} \times \frac{1}{4} \rightarrow 4! = 24$$

(2)

$$\frac{(4-1)!}{2} = 6$$

(3)

$$\binom{4}{2} \times 2! = 6$$

(4)

$$\binom{4}{3} \times 3! = 24$$

(5)

$$\binom{4}{2} \times \frac{3!}{2} = 18$$

(6)

$$\binom{4}{3} \times 4! = 96$$

(7)

$$4! = 24$$

(8)

$$4! \times 2 = 48$$

(9)

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

(10)

$$3! \times 2! = 12$$

(11)

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

(12)

6

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

(13)

$$\frac{4!}{2! \cdot 2!} = 6$$

(14)

7

$$4! \times 2! = 48$$

(15)

$$4! \times 3! = 72$$

(16)

8

$$4! \times 4! = 192$$

(17)

$$1. - (4! \times 3! + 4! \times 2!) = 24 \times 3 + 24 \times 2 = 72 + 48 = 120$$

(18)

9

$$4! \times 4! = 192$$

(19)

$$4! \times 2! = 48$$

(20)

10