

SUBJECT

Year: Month: Day:

$$6 \times 5 \times 4 \times 3 \times 2 = 720$$

$$6! = 720$$

$$(n-1)! \rightarrow 5! = 120$$

$$\frac{(n-1)!}{2} \rightarrow \frac{120}{2} = 60$$

$$\binom{6}{2} \times 4! \rightarrow \frac{6!}{2! \times 4!} \times 4! = 6 \times 5 \times 4 \times 3 = 360$$

$$\binom{6}{2} \times 3! = \binom{6}{2} \times 3! \rightarrow \frac{6 \times 5}{2} \times 3 = 45$$

$$\binom{6}{2} \times \frac{3!}{2} \rightarrow \binom{6}{2} \times 3 = \frac{6 \times 5}{2} \times 3 = 45$$

$$\binom{6}{3} \times 4! \rightarrow 6 \times 4! = 6 \times 24 = 144$$

$$\binom{6}{2} \times 4! = 15 \times 24 = 360$$

$$\binom{6}{2} \times 2! = 15 \times 2 = 30$$

$$\frac{6!}{2} = 360$$

$$\binom{6}{2} \times 3! = 15 \times 6 = 90$$

$$\frac{6!}{3!} = 120$$

$$\frac{6!}{3! \times 2!} = 120$$

$$\frac{6!}{2! \times 2!} = 180$$

$\dots \circ \circ \circ \circ \circ \quad 6! \times 5! = 720 \times 120 = 86400 \quad - 1d$

$\dots \circ \circ \circ \circ \circ \quad 7! \times 5! \times 5! = 281760 \quad - 1s$

$\circ \circ \circ \circ \circ \quad \binom{6}{5} \times 5! \times 5! \rightarrow \frac{6!}{5!} \times 5! \times 5! = 5! \times 6! \quad - 1v$

همه کلام + همه کنار هم باشند - کل حالات - 1a

$10! - (6! \times 5! + 6! \times 5!) \rightarrow 10! - (2 \times 6! \times 5!)$

$7! \times 5! \times 5! = 281760 \quad - 19$

$6! \times 5! = 2880 \quad - 2$