32)
$$0,1,4,5,8$$

 $3\times 4\times 3\times 2=72$
 $4\times 4\times 3\times 2\times 1=96$
 168
35) $025,78$
Golder 400
 $3\times 4\times 3\times 2=72$

4×4×3×2×1

$$\frac{38}{9\times8\times7\times6\times5}$$
 = $\frac{15}{20}$

70+al NO=8 3,4,5,6,7 54321-120 5 4 3 2 <u>- 120</u> 543 - 60 - 20 =5

$$\int_{\mathcal{L}} \int_{\mathcal{L}} \frac{(\nu - \lambda) | \times \lambda|}{|\nu|!}$$

selection

$$= \frac{3!}{3!} = \frac{3 \times 2 \times 1}{2 \times 1 \times 1} = \frac{3 \times 2 \times 1}{2 \times 1 \times 1} = \frac{3}{3}$$

$$= 32 - \frac{3!}{(3-2)|x|^2} - \frac{3!}{1!|x|^2} - \frac{3 \times 2}{2!} = \frac{3}{2!}$$

2)
$$n = 20$$
 $y = 18$ $\Rightarrow 20c_{18} = \frac{20!}{2! \times 18!} = \frac{20 \times 19 \times 18!}{2 \times 1 \times 18!} = \frac{20 \times 19 \times 18!}{2 \times 1 \times 18!}$

3)
$$n = 12$$
 $8 = 9$
$$\frac{12c_9}{3 \times 2 \times 1} = \frac{12!}{3! \times 9!} = \frac{12 \times 11 \times 10 \times 9!}{3 \times 2 \times 1 \times 9!} = \frac{12 \times 11 \times 10 \times 9!}{3 \times 2 \times 1 \times 9!}$$

4)
$$\eta = 25$$
 $\gamma = 23$ $\gamma = 25$ $\gamma = 25$

1)
$$|2C_{4} - \frac{|2\times||\times|0\times9|}{4\times3\times2\times|}$$

2) $|3C_{2} - \frac{|3\times|2}{2\times|}$
3) $|7/| = |1+\times|6\times|5\times|4\times|$

3)
$$25c_{20} = 25c_{1} = \frac{25}{28 \times 27}$$

5) $28c_{26} = 28c_{2} = \frac{28 \times 27}{2 \times 1}$

Combinatio anization
The mode apart and side anila.

2)
$$20c_3 = \frac{20 \times 10 \times 18}{8} - \frac{1140}{1140}$$

3)
$$18C_2 = \frac{18 \times 17}{2 \times 1} = 153$$

4)
$$25c_4 = \frac{25 \times 24 \times 23 \times 22}{500 \times 23} = \frac{11}{2650}$$

5)
$$18C_{16} = 18C_{2} = \frac{18^{3} \times 17}{2 \times 1} = 153$$

6)
$$30c_{27} = 30c_{3} = \frac{30\times29\times28^{14}}{3\times2\times} = \frac{1}{4060}$$

7)
$$40_{C_{38}} = 40_{C_{1}} = \frac{40 \times 39}{2 \times 1}$$

$$= \boxed{780}$$