## Permutahons a school trip Damy Milk, 5 Str, Milky Rev, Gem, - .. 50 Student L) Choclate factory of 6 choclates } $6 \times 5 \times 4 = 120$ J Dainy Milk, Milky bar, Sstar & 1 Milkyber, Dairy Milk, 5 skr n= Total # object Pornute him Y = # of objus your are picking n=6 7=3

$$\frac{n!}{(y-x)!} = \frac{6!}{3!(6-3)!} = \frac{6!}{3! \times 3!} = \frac{6!}{3! \times 3!} = \frac{6!}{3! \times 3!} = \frac{6!}{3! \times 3!} = \frac{20}{3! \times 3!} = \frac{20}{3!} =$$