{ 1, 7, 3, 4, 5}

2345 2245 4345 445

5.4=20

5.4.3.2.

How Many permutations if we pick 2 ruings?

Combinations 10 suimers 5 A ... 23 A B Gold Silver Browze Gold Blues Bronze

What are all the ways to choose who did not get a medal?

Permotations order does Matter Combinations order does not matter

Say ue have 10 Hungs and we pick 3 where order does not matther... "10 choose 3 10 Swinners, choose 3

ABG

$$10^{10} = \frac{10!}{7!}$$
 $= 740$

4(2= 24P2 24/2=24.23 Chris - Double 2.

EABC3= Choose

$$3P_2 = \frac{3!}{3!} = \frac{3 \cdot 2}{6}$$

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