



Permutations & Combinations · Grade 12

Read each question carefully. They're not all the same kind of question.

Name _____ Date _____ Score _____ / 12

01 ${}_6P_5 =$ _____

02 ${}_nP_2 = 30$, find n _____

03 ${}_9C_5 =$ _____

04 ${}_nP_3 = 720$, find n _____

05 ${}_{12}C_2 =$ _____

06 $4! =$ _____

07 Seat 5 of 8 hosts: P or C? _____

08 Seat 5 of 6 hosts: P or C? _____

09 ${}_6P_3 =$ _____

10 Greater: ${}_{11}P_4$ or ${}_9C_3$? _____

11 Greater: ${}_{11}P_3$ or ${}_7P_5$? _____

12 $8! \div 4! =$ _____