Puzzle of the Week

Extreme Products – 2

THE CHALLENGE: 1) Using the digits from 1 to 9, each at most once, make two 3-digit numbers whose product is as large as possible. 2) Also, using the digits from 1 to 9, each at most once, make two 3-digit numbers whose product is as small as possible.

1 2 3 4 5 6 7 8 9

EXPLORATION: Can you apply what you learned for multiplying two numbers to do this with multiplying three 3-digit numbers? Can you think of other interesting variations?