The CENTRE for EDUCATION in MATHEMATICS and COMPUTING

Mathematics and Computer Science 2018/2019 contests

Canadian Senior and Intermediate Mathematics Contests
Thursday, November 22, 2018

Canadian Computing Competition
Thursday, Febuary 21, 2019

Pascal, Cayley and Fermat Contests
Wednesday, February 27, 2019

Euclid Contest
Thursday, April 4, 2019

Canadian Team Mathematics Contest (In Schools)
Wednesday, April 10, 2019 or after

Fryer, Galois and Hypatia Contests
Thursday, April 11, 2019

Gauss Contests
Thursday, May 16, 2019

Grid with row products 56, 135, 48 and column products 21, 108, 160; marked square N.

Francesca put the integers 1, 2, 3, 4, 5, 6, 7, 8, 9 in the nine squares in the grid. She put one integer in each square and used no integer twice. She calculated the product of the three integers in each row and wrote the products to the right of the corresponding rows. She calculated the product of the integers in each column and wrote the products below the corresponding columns. Finally, she erased the integers from the nine squares. Which integer was in the square marked N?

A. 3   B. 8   C. 9   D. 6   E. 4