Today’s resource features a question from one of the recently released 2020 CEMC Mathematics Contests, along with a question from one of our past contests.

**2020 Gauss Contest, #19**

Three different views of the same cube are shown. The symbol on the face opposite ● is

(A) +  
(B) □  
(C) □

(D) □  
(E) ●

**2016 Gauss Contest, #20**

In the diagram, four different integers from 1 to 9 inclusive are placed in the four boxes in the top row. The integers in the left two boxes are multiplied and the integers in the right two boxes are added and these results are then divided, as shown. The final result is placed in the bottom box. Which of the following integers cannot appear in the bottom box?

(A) 16  
(B) 24  
(C) 7

(D) 20  
(E) 9

More Info:

Check out the CEMC at Home webpage on Monday, May 11 for solutions to the Contest Day 1 problems.