MATH CHALLENGE

of the EKU Math Club

MC13

The number 4 can be expressed as an ordered sum of two or more positive integers in seven ways:

$$3 + 1, \quad 1 + 3, \quad 2 + 2,$$

$$2 + 1 + 1, \quad 1 + 2 + 1, \quad 1 + 1 + 2, \quad 1 + 1 + 1 + 1.$$

In how many ways can 20 be so expressed?

Submissions due: 12:00 pm, March 17, 2021

Submit solutions to **Atilla.Sit@eku.edu** (PDF only).

Solutions must include all supporting work.

Top solvers will be recognized.

First three correct submissions will also receive a small prize!