

Addition Strings Task

Solve the set of addition problems. Each time you solve a problem, try to use the previous problem to solve the next problem.

$$7 + 3 = \underline{\quad}$$

$$17 + 3 = \underline{\quad}$$

$$27 + 3 = \underline{\quad}$$

$$37 + 3 = \underline{\quad}$$

$$37 + 5 = \underline{\quad}$$

After you have solved all of the problems, describe some patterns that you notice in the sequence of equations.

Show how you might represent student reasoning with a drawing or on a number line so that students could visually see the relationships among the quantities.