Ten Block Challenge – Problems and Solutions

Explore – Check out the [Help!](#) lesson to learn about defining a problem by observing a scenario. Then, try this Ten Block Challenge!

A **Constraint** is a limitation or a restriction for completing a certain task. In this challenge your constraint will be to *only* use ten code blocks to program your model to solve the problem.

Extend – Can you create a new program with fewer code blocks? Alternatively, develop another problem, share with a peer, and see what solution they can create with ten code blocks.

Challenge – Explore the Kiki the dog model from the *Help! l*esson. Can you define a problem for Kiki and solve it using ten code blocks or fewer? Share with a peer. Explain the problem you solved and describe the choices you made during program development. Reflect on how the constraints of this challenge influenced your design decisions.