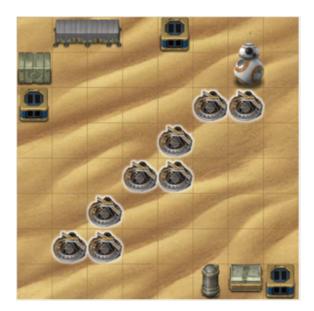# Course C Lesson 10 Loops with Rey and BB-8

Look at Puzzle 9

Identify the patterns in this puzzle:
Code all of the steps with just using moves and turns:

Separate out what is repeated:

Add the repeat loop around what is repeated.

Since these programs can be slightly confusing, it would be fun to learn a new way of programming called pair programming. It is when you work with a partner to work through the puzzles in a unique way. Find a buddy, friend, parent, or brother or sister to do Pair Programming with.

Watch the following video:

> **Pair Programming**

Remember the rules for Pair Programming:

> Navigator:
> - Stay in your own chair
> - Keep hands off of the keyboard and mouse
> - Describe nicely what the driver is supposed to do
>
> Driver:
> - Do what the navigator says, even when you know it is wrong.
> - You can help them see what is wrong.

Practice pair programming while working with Rey and BB-8.

Watch the following videos to see what BB-8 needs to do:

> **Programming with Rey and BB-8**
>
> **Repeat Blocks with BB-8**

With your pair programming partner, switch off each lesson between navigating and driving. If you don't have a partner to do pair programming, you can just go through each puzzle on your own. Start with puzzle 2 and work through the rest of the lesson. When you are finished, you may move on to the next lesson.