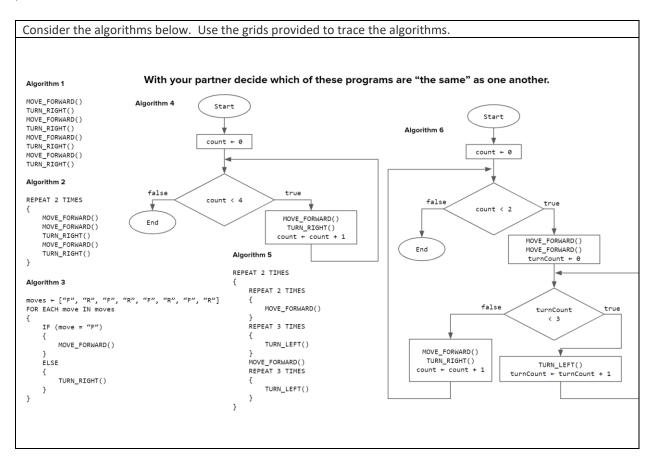
Name	·	Period		
Sol	ving Problems			
You	r Tasks (Mark these off as you go) Complete the problems Pair up and reflect Compare algorithms Wrap up			
Receive credit for this lab guide Complete the prompts Today we are going to explore how computer scientists think about problem solving. An important skill we will explore will be recognizing patterns and similarities.				
Review the problems below for one minute, and then move around the room and collect the information needed to solve the problems.				
	Prompt	Information		
1	Find a person whose birthday is before yours			
2	Find a person whose birthday is after yours			
3	Find the person whose birthday is the closest before yours			
4	Find the person whose birthday is the closest after yours			
5	Find the person whose birthday is closest to yours			
6	Find the person with an equal number of birthdays before and after theirs			
7	Find the two people with the closest birthdays in the room			
8	Find the shortest period of time in which three people have birthdays			
9	Find the shortest period of time in which four people have birthdays			
10	Find the longest period of time in which no one has a birthday			
□ Pair up and reflect				
Loca	te person you found for prompt 5 above. Write their name below. Indic	ate a one fun fact about that		
pers	on.			
Pers	on			

Fun fact

Discuss the following prompts with your group. Write your responses below.				
How did you go about solving each of the problems?				
For which problems did you need to do something similar to solve them? For examples problems 1 & 2 are very similar.				

Compare algorithms

We just thought about whether problems are similar. Now we're going to look at whether we're solving the same problem.



Discuss with your group which of these algorithms are like one another? How did you decide that?			

□ Wrap-up

In the first part of this activity, you had to solve a problem. In the second part of this activity, you explored				
algorithms. In the space below write a definition for each of these terms.				
oblem				
gorithm				
	ļ			

Pick a person in your group to share out the following prompts you answered above.

- Which problems in the first part of this activity were similar? Explain.
- Which algorithms were similar? Explain.
- What is a problem?
- What is an algorithm?
- What is a fun fact about yourself? What is fun fact about each person in your group?

□ Receive credit for this lab guide

Submit this portion of the lab to Pluska to receive credit for the lab guide.