	NAME		
G4 Mid Assessment	SCRATCH ID	DATE TIME	
In Problem 1, circle True or False.)	
1 In this Scratch block set perimeter - to 10,	True	False	
"perimeter" is a loop.			

(2) Which statement is a conditional?

- a. If number is 10, then say "hello world".
- **b.** If number is 10.
- c. Repeat 2 times: Say "hello world" for 2 seconds.
- **d.** Say "hello world" for 2 seconds.
- Decomposing means breaking something down into parts.
 Decompose the number 12 into equal parts.

 Andre has 9 cookies to give away to his friends Sally, Val, and Lee. He wants to give each friend an equal number of cookies. Andre wrote instructions for how to give away the cookies.

Rewrite his instructions. Use the instruction "repeat 3 times" at least once.

Andre's instructions:

Your instructions:

- Give Sally 1 cookie
- Give Val 1 cookie
- Give Lee 1 cookie
- Give Sally 1 cookie
- Give Val 1 cookie
- Give Lee 1 cookie
- Give Sally 1 cookie
- Give Val 1 cookie
- Give Lee 1 cookie

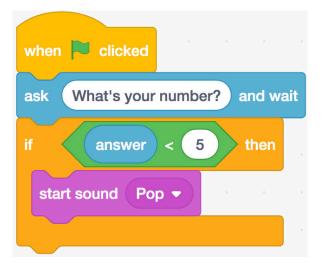
NAME			
SCRATCH ID	DATE	TIME	

(5) What sound (or sounds) will play if you run this code?

If 5 < 8, then play a "pop" sound. If 5 > 7, then play a "bing" sound.

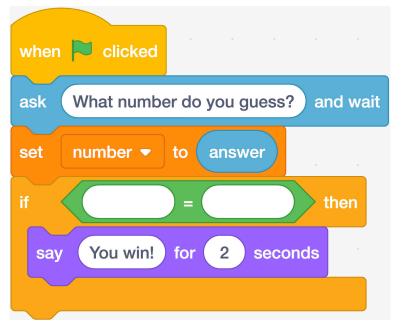
G4 Mid Assessment (continued)

6 If you run the code below, will the "pop" sound play if the user inputs 2?



(7) Kristi is playing a guessing game where she has to guess a number 0–9. She doesn't know it, but she has to guess "4."

Fill in the if condition in this Scratch script so the program will say "You win!" if Kristi guesses correctly.



G4 Mid Assessment (continued)

NAME		
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SCRATCH ID	DATE	TIME

8 Describe what will happen when the green flag is clicked.

when Clicked repeat 3 play sound meow until done f a b b b b b b b b b b b b b b b b b b		
repeat 3 A A A A A A A A A A A A A A A A A A	when 🏲 clicked	
play sound meow until done		
	repeat 3	
	play sound meow • until done	
	a de la companya de l	

(9) Helena wrote this code.

How would you change the code so that it would use the user input for length and width of a rectangle to calculate the area of that rectangle?

when 🂫 clicked
ask What is the length? and wait
set length - to answer
ask What is the width? and wait
and water
set width - to answer
set area ▼ to (5) * (10)
say area for 2 seconds

