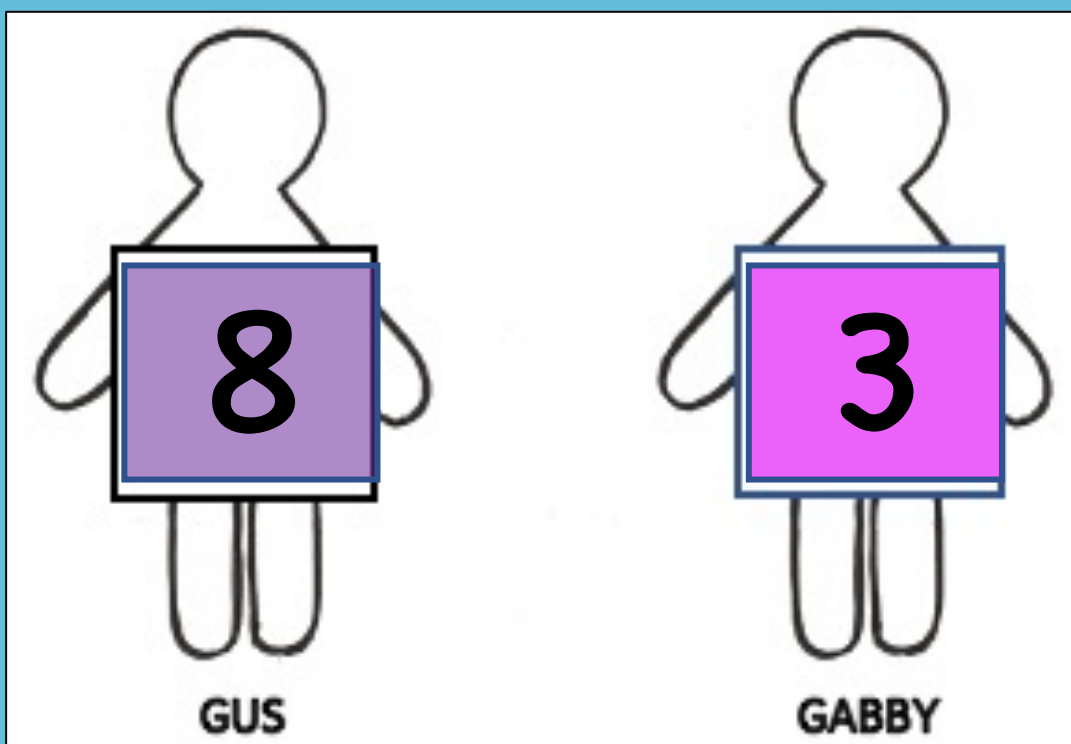


# GUS and GABBY

## Number Logic Guessing Game

WRITTEN BY THIRD GRADE GT STUDENTS



# TEACHER INFORMATION

## ABOUT

*Gus and Gabby* is a number logic game. Students use clues given to guess two numbers. The problems in this set were written by gifted and talented 3<sup>rd</sup> graders who had completed the problems in Set A. Find them [HERE](#).

## PREREQUISITES

Students need to know odd and even numbers and basic addition.

Students need to understand the concepts of greater than and less than (i.e., that *greater than 5* excludes the number 5).

Students need to know that the number 10 has two digits.

## MATERIALS NEEDED

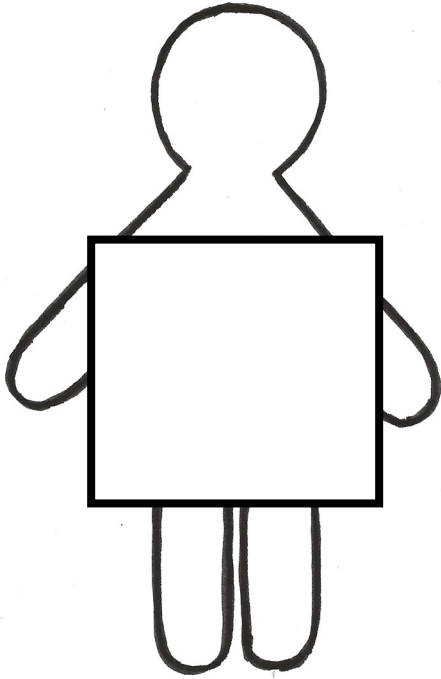
Each student needs:

- a guessing game board - one half-sheet for each student (see p. 3)
- one-inch foam tiles, numbered 1-10 (make your own with [these](#))
- a snack baggy or envelope

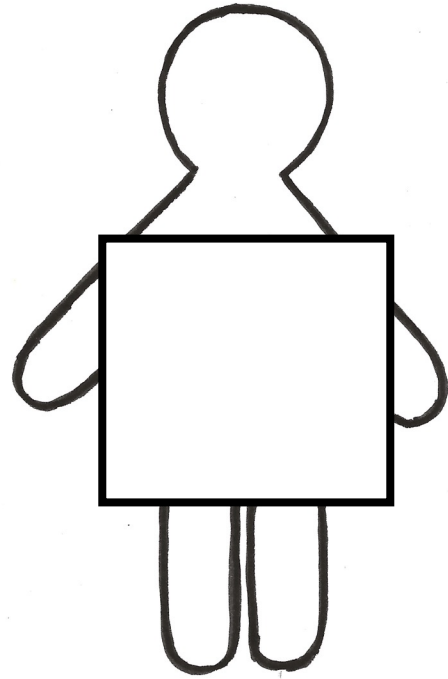
## HOW TO

1. Copy the guessing game sheet (see next page) on cardstock. Cut each sheet in half to make two game boards. (Optional: laminate for durability)
2. In each student snack baggy, place ten tiles, numbered 1 – 10.
3. Explain the game: "We're going to play a guessing game. Gus and Gabby each have a number. I'm going to give you clues, and you will choose two tiles from your baggy. Place a tile on each square to show your guesses. At first, you'll have to guess with just a little information. But each time I give a new clue, you will know more, and you can change your guesses."
4. The clues for multiple games can be found on page 4. Students need to see the clues, so you can use [this slide deck](#) to present them. Write the numbers 1 through 10 on your board, and as you read each clue, discuss what numbers would make good guesses and what numbers could be eliminated. To guide students in making their guesses, erase or cross out numbers that can be eliminated. You may want to draw Gus and Gabby and play the game with students. After going through several possibilities, you can say, "Okay, time to guess!"

GUS and GABBY  
Guessing Game

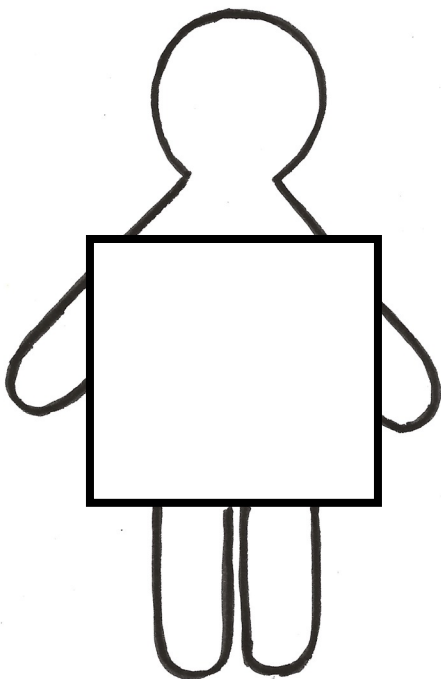


GUS

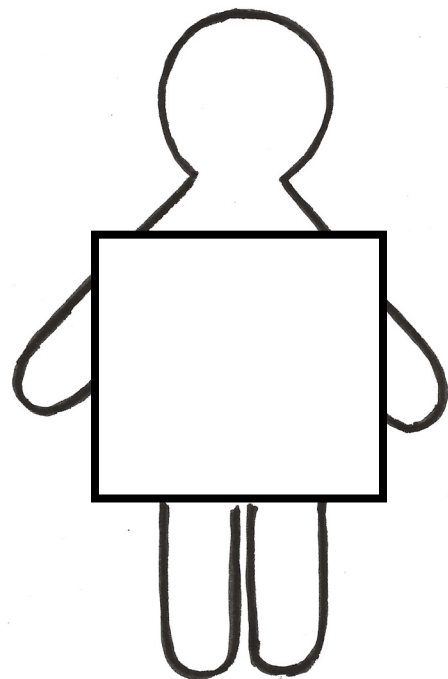


GABBY

GUS and GABBY  
Guessing Game



GUS



GABBY

## GAME CLUES

### GAME 1 CLUES:

(written by Claire and Lilly)

1. Gabby's number is greater than Gus's.
2. The numbers are both greater than 4 and less than 9.
3. One number is even and the other is odd.
4. The sum of the numbers is 15.

### GAME 2 CLUES:

(written by John)

1. Both numbers are even.
2. Gabby's number is greater than Gus's.
3. Both numbers are greater than 2.
4. The sum of the numbers is 10.

### GAME 3 CLUES:

(written by Luke)

1. The sum of the two numbers is 8.
2. Gus's number is less than Gabby's.
3. Gabby's number is less than 7.
4. Both numbers are odd.

### GAME 4 CLUES:

(written by Kyle)

1. The sum of the two numbers is 11.
2. Gabby's number is even.
3. Both numbers are between 1 and 10.
4. One number is less than 3.

### GAME 5 CLUES:

(written by Jacie and Claire)

1. Gus's number is not 2.
2. Gabby's number is between 5 and 8.
3. Gus's number is even and Gabby's is odd.
4. The sum of the numbers is 13.

### GAME 6 CLUES:

(written by Marcus)

1. Gus's number is one more than Gabby's.
2. Gus's number is even.
3. Gus's number is less than 7.
4. Gabby's number is greater than 4.

### GAME 7 CLUES:

(written by Oliver)

1. One number is even, and one is odd.
2. Both numbers are less than 7.
3. Gus's number is less than Gabby's.
4. The sum of the two numbers is 11.

### GAME 8 CLUES:

(written by Alex)

1. Gus's number is even.
2. Gus's number is between 1 and 7.
3. The sum of the numbers is 15.

### GAME 9 CLUES:

(written by Harper and Lilly)

1. The lower number is less than 4.
2. Gabby's number is greater than Gus's.
3. Gabby's number is less than 8.
4. The sum of the numbers is 4.

### GAME 10 CLUES:

(written by Reese and Maddie)

1. One number is even; one is odd.
2. Gabby's number is greater than Gus's.
3. The sum of the numbers is 9.
4. Gabby's number is one more than Gus's.

### GAME 11 CLUES:

(written by Reagan)

1. Gabby's number is greater than Gus's.
2. Gus's number is two less than Gabby's.
3. Both numbers are less than 10.
4. The sum of the numbers is 16.

## ANSWERS

### GAME 1

Gus - 7  
Gabby - 8

### GAME 6

Gus - 6  
Gabby - 5

### GAME 2

Gus - 4  
Gabby - 6

### GAME 7

Gus - 5  
Gabby - 6

### GAME 3

Gus - 3  
Gabby - 5

### GAME 8

Gus - 6  
Gabby - 9

### GAME 4

Gus - 9  
Gabby - 2

### GAME 9

Gus - 1  
Gabby - 3

### GAME 5

Gus - 6  
Gabby - 7

### GAME 10

Gus - 4  
Gabby - 5

### GAME 11

Gus - 7  
Gabby - 9

Find more activities and lesson ideas [here!](#)