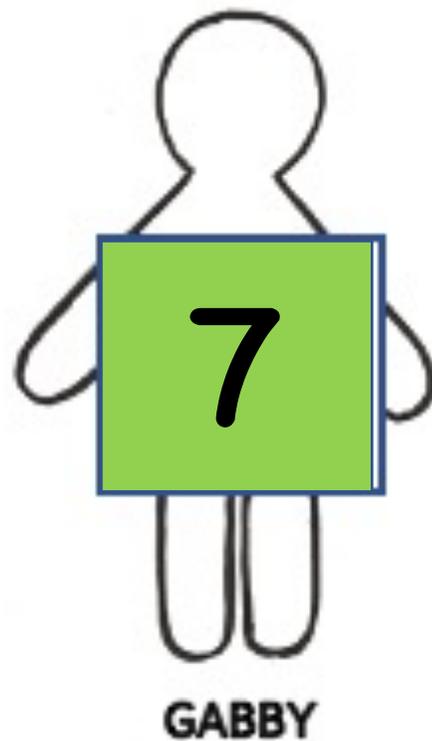
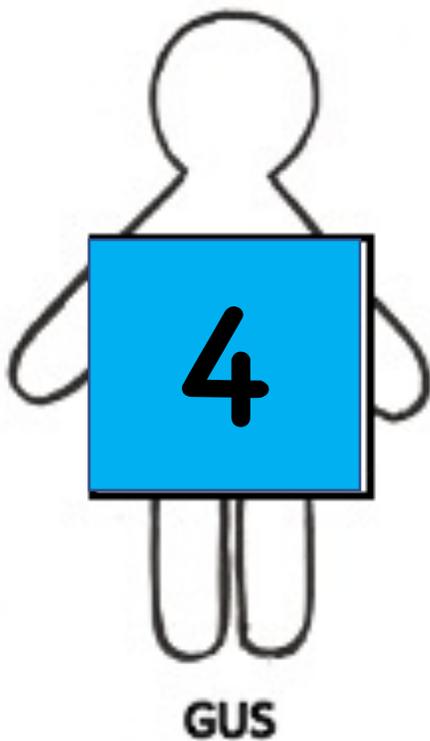


GUS and GABBY

Number Logic Guessing Game



SET B

TEACHER INFORMATION

ABOUT

Gus and Gabby is a number logic game. Students use clues given to guess two numbers.

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.

Students need to know that between excludes the outer numbers (i.e. If the number is between 3 and 8, it cannot be 3 or 8).

Students need to know that a "dozen" equals 12.

MATERIALS NEEDED

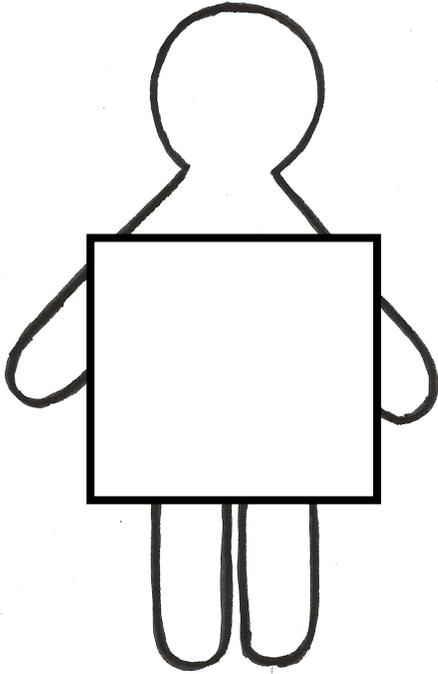
Each student needs:

- 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

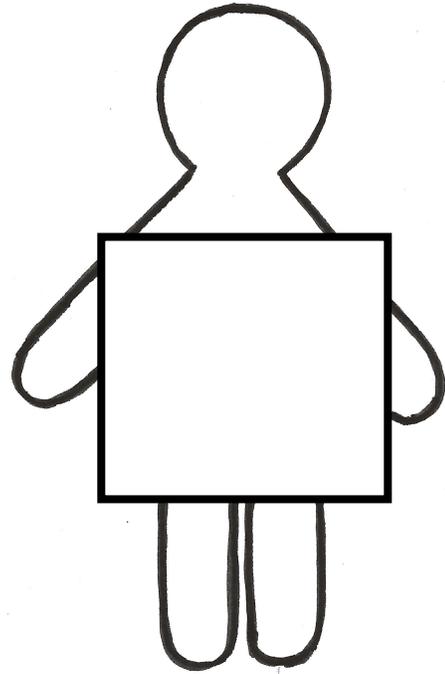
HOW TO

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

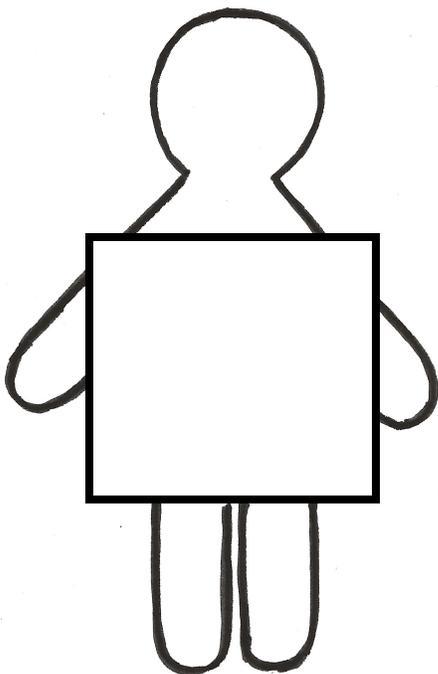


GUS

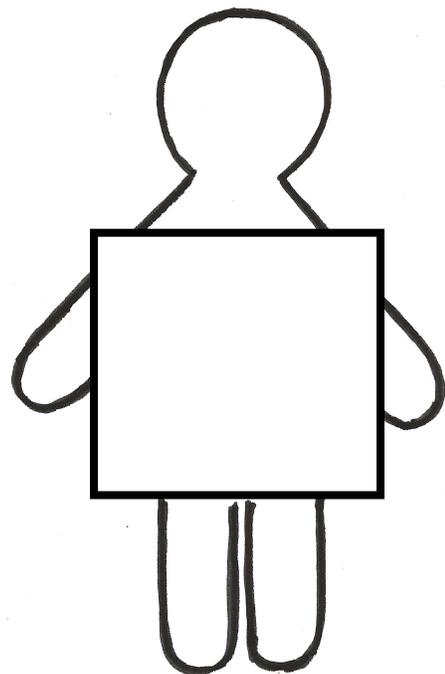


GABBY

GUS and GABBY
Guessing Game



GUS



GABBY

GAME CLUES – SET B

GAME 1 CLUES:

1. The lower number is less than 4.
2. If you double the lower number, you get the higher number
3. Gabby's number is even.
4. Gabby's number is less than Gus's.

GAME 2 CLUES:

1. Gus's number is between 2 and 7.
2. Gabby's number is between 7 and 10.
3. Gus's number is even.
4. Gus's number is half of Gabby's.

GAME 3 CLUES:

1. When added together, the numbers make a total of 9.
2. The lower number is even.
3. Gus's number is odd.
4. Gabby's number is one less than Gus's.

GAME 4 CLUES:

1. Both numbers are odd.
2. Neither number is 1.
3. Gus's number is greater than 7.
4. The numbers together make a dozen.

GAME 5 CLUES:

1. The two numbers are both less than 7.
2. Gabby's number is three more than Gus's.
3. Gabby's number is even.
4. The total of the two numbers is 5.

GAME 6 CLUES:

1. One number is greater than 8.
2. The lower number is less than 5.
3. Gabby's number is odd.
4. Gus's number plus 5 equals Gabby's number.

GAME 7 CLUES:

1. Gus's number is only one more than Gabby's number.
2. The higher number is greater than 6.
3. Gus's number is even.
4. Gabby's number is less than 9.

GAME 8 CLUES:

1. The word for Gabby's number has 3 letters.
2. Gus's number is written with 4 letters.
3. Both numbers are single digits and even.
4. Gabby's number is higher than Gus's.

GAME 9 CLUES:

1. The total of the numbers is less than 6.
2. Gabby's number is higher than Gus's.
3. Gus's number is less than 3.
4. Both numbers are odd.

GAME 10 CLUES:

1. When written as a word, Gabby's number begins with the letter T.
2. Gus's number begins with the letter S.
3. Gabby's number is the lower number.
4. Both numbers are odd.

ANSWERS

GAME 1

Gus - 4
Gabby – 2

GAME 6

Gus - 4
Gabby – 9

GAME 2

Gus - 4
Gabby – 8

GAME 7

Gus - 8
Gabby – 7

GAME 3

Gus - 5
Gabby – 4

GAME 8

Gus - 4
Gabby – 6

GAME 4

Gus - 9
Gabby – 3

GAME 9

Gus - 1
Gabby – 3

GAME 5

Gus - 1
Gabby – 4

GAME 10

Gus - 7
Gabby – 3

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

Big Ideas for Little Scholars

