

Cooperative Activity Clue Game:

Teacher Preparation: For each Puzzle, the teacher needs to cut apart the clues so that each student in the group sees only his/her own clue.

Directions for use: Students will work in groups of three. Each student will read a clue and as a group come up with possible answers. Students continue reading clues one by one until a final answer is achieved.

Puzzle A

Clue 1: The number is a whole number.

Clue 2: The number doubled is less than 10.

Clue 3: The number is evenly divisible by 4.

Clue 4: The square root of the number is a whole number.

Puzzle B

Clue 1: The number is not a natural number.

Clue 2: My number is odd.

Clue 3: If you add 5 to my number, the sum is a natural number.

Clue 4: My number squared is more than my number doubled.

Puzzle C:

Clue 1: My number squared is smaller than my number itself.

Clue 2: My number multiplied by 10 is larger than 7.

Clue 3: My number multiplied by 10 is larger than 7.

Puzzle D:

Clue 1: My number is a whole number.

Clue 2: My number is a multiple of 3.

Clue 3: My number divided by 2 is an integer.

Puzzle E: Chris started to write a puzzle, but he was not sure how to finish it. His secret number is 3.25. Write another clue that would allow Anika and Haley to find out Chris' secret number.

Clue 1: My number is a rational number.

Clue 2: My number is not an integer.

Clue 3: My number is evenly divisible by $\frac{1}{4}$.