

Grade 4

# Remainders Count!

Module 7-Divide by 1 and 2 Digit Divisors

Your child is learning about division. When students use estimation skills, it makes division easier. This game helps students practice dividing numbers. During the game, encourage your child to estimate the answers before actually dividing the numbers.

## Materials:

"Remainders Count!" spinner (you will need a pencil and a paper clip)

Paper

10 small objects (example: coins, beans, buttons, etc.)

## Object of the game:

The object of the game is to be the first player to cover 5 "remainders" on the game board.

## Directions:

1. Each player writes the digits 0 through 9 on his/her own piece of paper. These numbers are their "game board" and represent remainders for division problems that the players will be solving.
2. Player 1 spins the spinner three times and records each of the three digits he/she lands on.

3. Player 1 uses two of the digits to make a number that will be divided by the third number and then solves the problem. For example, if Player 1 spins and lands on 3, 6 and 8, he/she could write any of the following problems:  $36 \div 8 = 4 \text{ r.}4$ ;  $63 \div 8 = 7 \text{ r.}7$ ;  $38 \div 6 = 6 \text{ r.}2$ ;  $83 \div 6 = 13 \text{ r.}5$ ;  $68 \div 3 = 22 \text{ r.} 2$ ;  $86 \div 3 = 28 \text{ r.} 2$ . Player 1 writes only ONE problem.
4. On his/her game board, Player 1 covers the digit that corresponds to the "remainder" in the problem that he/she solved. For example, if Player 1's problem were  $38 \div 6 = 6 \text{ r.}2$ , Player 1 would cover the 2 on the game board because 2 is the remainder.
5. Player 2 repeats steps 2 - 4.
6. The game continues with each player taking turns. The first player to cover 5 digits wins the game.

**Questions to ask your child while playing:**

What is a good estimated answer for this problem? Why?

What is your strategy for finding the quotient (answer to a division problem)?

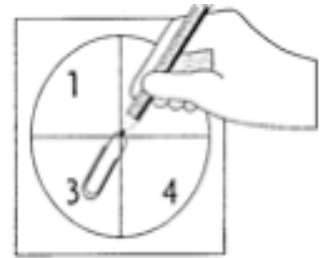
What different problems could you make?

Which of these problems would give you a remainder that is still uncovered?

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Cut out the spinner

