



Lesson: Math Grades K-3

Topic: Ordinal Numbers

Play Ball!

Overview: Students will play a game that resembles baseball while answering questions that help them understand the use of ordinal numbers, basic strategies for addition and subtraction and recognizing numbers as even and odd.

Standards:

- Use ordinal numbers to order objects
- Develop strategies for basic addition and subtraction facts
- Recognize and classify numbers as even or odd

Getting Started:

Materials:

- Paper
- Pencil
- Dice
- Chalk and chalkboard (or dry erase markers and dry erase board)
- Markers that represent base runners that can stick to the chalkboard / dry erase board

Vocabulary:

- Even
- Odd
- Ordinal
- Addition
- Subtraction
- Difference
- Sum
- Total

Handouts:

- If you wanted to play the game in small groups, it would be nice to have paper copies of the baseball diamond and scoreboard that students could use at their desks.

Lesson:

Set up:

Teacher will draw a baseball diamond on the chalk/dry erase board. It should include first, second and third base, home plate and the pitchers mound. Also, draw an area to keep score like the example below.

	1	2	3	4	5	6	7	8	9
Mudville									
Chickenhawks									

Teacher will also write the following on the board where all students may see it:

1 = single, 2 = double, 3 = triple, 4 = home run, 5 = out, 6 = out

Activity:

The teacher will share with the students that they will be playing a game that is similar to baseball. Teacher will then separate students into two teams. (Teams are just for the fun of the game. Questions should be asked of all students throughout the entire game no matter which team they are on.) Now take some time to explain the following rules: Each student will take a turn rolling a die (make sure that everyone gets a turn prior to anyone rolling multiple times).

What they roll will decide what base they go to (then point out the following on the board **1 = single, 2 = double, 3 = triple, 4 = home run, 5 = out, 6 = out**)

Each time a team scores, the student who rolled the die will adjust the score on the scoreboard.

Three outs and the other team bats.

Markers will be used to show where runners are on the bases.

*****Add or delete rules as you see fit for your class and time frame.

While the game is intended to be fun and keep the students attention, the overall reason for playing the game is to give the teacher the opportunity to ask questions at different times throughout the game.

Some questions that could be asked while playing the game:

(Most of the following questions could be asked repeatedly throughout the game.)

- Who do you think will win?
- Which team has more runs?
- How many more runs does the winning team have compared to the other team?
- What is the total number of runs if both teams combined their scores?
- What does "*student's name*" need to roll so his team can score a run?
- What inning did Mudville score the most runs?
- How many more runs did the Chickenhawks score this inning than last inning?
- Which base do the runners go to first, second, third, fourth?
- Add all the runs from the odd innings.
- Add all of the runs from the even innings.
- How many innings were an even number of runs scored?
- How many innings were an odd number of runs scored?
- Which team scored the first run?
- What is the sum of all the runs in the fifth inning?

Evaluation and Follow Up:

- Prepare a worksheet that has a completed scoreboard on it as well as questions like those that were asked while the students were playing the game.