

FROGS AND SNAKES

Multiplication and Division

Episode 209: Snappy and Blossom go to the Zoo, Part One
3rd Grade

Georgia Performance Standards

- M3N4a Understand the relationship between division and multiplication and between division and subtraction
- M3N4c Recognize problem-solving situations in which division may be applied and write corresponding mathematical expressions
- M3N4e Divide a 2 and 3-digit number by a 1-digit divisor
- M3N4f Solve problems requiring division

Objective

- The students will figure out how long the snake is in inches when given the length of the frog and the length of the snake in “frogs”.

Materials

- TV/VCR or Computer/LCD Projector
- Video *Count On It!* 209
- Any manipulatives necessary

Procedure

Opening

- View *Count On It!* 209 clip “Frog and Snake” (VHS 11:23 – 12:06 – NOTE: BE PREPARED TO TURN OFF THE TV IMMEDIATELY, AS THE QUESTION YOU ARE POSING WILL BE ANSWERED BY THE SHOW).

Work time

- Pose the question, “If the shortest (in length) animal in the zoo is the frog at 2 inches, and the longest animal is the snake, and the snake is as long as 108 frogs, then how long is the snake in inches?”
- Let students work individually, in pairs, or in small groups – your decision.
- Allow students to struggle through. Steer them as appropriate. This is a task-type lesson, where the instructor does not show the students how to solve the problem, rather, the students figure it out on their own (with as little guidance as possible).

Closing

- Allow several groups/pairs/individuals to share with the class how they came up with the solution. You may choose those who came up with an incorrect answer if you wish, but as the class helps them realize how they did it wrong, let them correct it and give them praise for understanding where they made mistakes.

Assessment

- The solved problem may be graded according to the attached rubric.
- Teacher observation/documentation on student rubric used by your school/county during work time and closing (sample rubric can be found on our website)