Math Lesson

Lesson Title: 20 Bugs

Grade: 1st Grade

Content Standards: 1.OA.1-Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent to problem.
1.OA.8-Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. For example, determine the unknown number that makes the equation true in each of the equations 8+__=11, 5=__-3, 6+6=__.

Materials: paper, pencil, crayons
Bug stickers
Baggies

Shared Experience and procedures details:

Each student gets a bag of stickers. (Each pair of bags has a total of 20, e.g., 12 and 8, 11 and 9, etc.) (We put symbols like stars, dots etc… on the bugs so the students would know which bugs were theirs if they dumped them all together. Ex, the student with 11 bugs, had blue dots on all of his bugs)

Students count their amount of stickers.

Teacher says directions. “Find one friend to make a group of exactly 20 bugs.”

Teacher will monitor and question. When students show their amount, the teacher will question. “How do you know? Show me.”

Possible Picture: “Use pictures and words to show your thinking.”

Pictures of 2 groups; pictures of total amounts; pictures of 2 groups with student and partner; various groupings of stickers.

Possible People Talk:

Students write about experience. Students may write about how they counted, such as counting all, counting on etc...

Feature Talk: Numbers, counting, bug stickers, record, add, counting on, counting all, sum, makes, equals, total, all together, more/less, exactly, group, fact *Terms that show big ideas we are anticipating in symbolic representation: add, sum, makes, total, all together*
Possible Symbolic Representation: “Use numbers and math symbols to show you and your partner’s number of bugs.” Equations and labels.
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