One Hundred Hungry Ants

Will the ants make it in time to the picnic?

Topics: counting, arrays, patterns, multiplication, factors of 100

Math Connections: *One Hundred Hungry Ants* can be used to talk about factors of 100. Factors can help figure out what pair of numbers can be multiplied together to make up a larger number. For example, 6 multiply by 3 equals 18, so both 6 and 3 are factors of 18.

In the book, the littlest ant stops the group 4 different times to change the formation. Thinking they will not make it to the picnic in time, he suggests they add more lines to their formation to make their journey quicker. He first changes the formation of the group to 2 lines of 50 rows. After marching for a bit he believes they are still going too slow so insists they would go faster in 4 lines of 25 rows. The littlest ant is using factors of 100 to make up the different formations. While reading, keep note of all the different formations the ants make while traveling to the picnic.

After reading, talk about how the formations were made from the factors of 100 and how the factors helped make equal rows and lines. Ask if there are different formations that could be created with 100 ants? Could there be 50 lines and 2 rows? How many different formations can you make? How does the amount of the lines and rows change with each new formation? How did factors help you make the new formations?

Extension Questions:

1. If there were only 20 ants marching toward the picnic, how many different formations could you make?

2. What caused the ants to not make it to the picnic in time?

3. Do you think if they started in 10 lines of 10 rows they would have been faster? Or should they have stayed in the single file line?

4. How many other animals can you spot in the book that got food from the picnic?

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One hundred hungry ants march through the forest rearranging into 4 different formations to make it to the picnic in time to get some food.

Ages: 4 to 9 years

Interest Level: Preschool to 3rd grade

AR Reading Level: 2.6

Lexile: AD520L

ISBN: 9780395971239

Copyright: 1993

Genre: Fiction

Classification: Picture Story

Early Math Project

Vocabulary for Building Math Concepts	2, 4, 5, 10, 20, 24, 25, 50, all, any, down, one hundred, long, littlest, ninety-nine, one, row, some, up, whole
Vocabulary for Extending Math Concepts	array, patterns, multiplication
Vocabulary for Reading Comprehension	aglow, fro, growling, gurgling, rumbling, shrieked, swarming, whisked

Related Books:

Find this book at your local library: https://www.worldcat.org/title/one-hundred-hungry-ants/oclc/1106982936?referer=di&ht=edition

Early Math Project Resources:
Ants Ants Ants (English)
Hormigas (Spanish)

Online Resources:
On the March Activity
Arranging Ants Activity

Age Level	Related Preschool Foundations and CA State Standards
Infant/Toddler	Not applicable.
Preschool/TK	**Number Sense 2.0** Children begin to understand number relationships and operations in their everyday environment. **Algebra and Functions 2.0** Children begin to recognize simple, repeating patterns.
Kindergarten	**Counting and Cardinality K.CC.1** Know number names and the count sequence.
Grade 1	**Number and Operations in Base Ten 1.NBT.1** Extend the counting sequence.
Grade 2	**Operations and Algebraic Thinking 2.OA.3** Work with equal groups of objects to gain foundations for multiplication.
Grade 3	**Operations and Algebraic Thinking 3.OA.1** Represent and solve problems involving multiplication and division. **3.OA.5** Understand properties of multiplication and the relationship between multiplication and division. **3.OA.7** Multiply and divide within 100.

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