



Title: [A Million Dots](#) (Lexile® measure: NC1110L)

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Description: Learn facts about numbers, and see one million dots!

Quantile Skill and Concept(s)

Read, write, and compare whole numbers from 10,000 to less than one million using standard and expanded notation (Quantile® measure: 460Q).

Book-Directed Discussion

After reading the book with your child, compare the values of the large numbers by finding the circled dot. What would be the number of the dot that is one larger or one smaller? The page with the goat in the red airplane has two numbers (133,381 and 134,000). Which digit tells us the second number is bigger? What is the place value of that digit? (Since the first two digits are the same, the answer would be the 4, which is in the thousands place.)

Foundations

Have your child read each of the numbers without help. Cut a piece of paper the same size as 100 dots (10 by 10). Use that piece of paper to estimate the size of 1,000 dots. Cut another piece of paper to cover 1,000 dots. Use the 1,000 dot piece of paper to estimate how many dots are on each page. (The 100 and 1,000 model dots in the beginning of the book are not the same size as later pages.)

Challenges and Connections

Use the arrows at the bottom of each right-hand page to estimate how many dots would be on two pages. All of the numbers are in standard form. Use only the numbers that have many zeros (such as 350,000; 500,000 or 720,000) on the end and write the numbers in expanded form.



