2.4 TRANSFORMING **TEXTBOOK PROBLEMS** INTO **CURIOUS CHALLENGES** KIDS WANT TO SOLVE

making
MATH
MOMENTS
that **MATTER**

Use the **Curiosity Path** to transform the following textbook problem into a curious challenge your students will want to solve.

ORIGINAL PROBLEM:

CURIOSITYPATH

- ○ **WITHHOLDING INFORMATION**
- ○ **ANTICIPATION**
- ○ **NOTICE & WONDER**
- ○ **ESTIMATION**

As part of a probability activity, Jack is counting the occurrence of different letters in a paragraph in his biology book. In the first 1000 letters in the paragraph, he found 50b's. What percent of the letters were b's?

CURIOSITYPATH PLAN:

What changes could be made to spark student curiosity?
How might you gradually share the information in this problem to engage your students?

1) As part of a probability activity, Jack is counting the occurrence of different letters in a paragraph in his biology book.

Have students discuss and make assumptions based on information given.

2) What percent of the letters were b's?
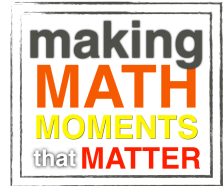
Have students estimate.

3) He found 50b's.

Have students come up with percents or what makes a percent of the letter b. Students might ask for the total number of letters in order to find the percent.

4) Reveal that there are 1000 letters in the paragraph.

CURIOSITY PATH TEMPLATE

CURIOSITYPATH PLAN:

How might you gradually share the information in this problem to engage your students?

CURIOSITYPATH

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