

## Dollar Data

Leader



Show a way to carry out an experiment and record your findings.



You will need:

- A dollar bill
- A handful of pennies
- Plain paper
- Pencil



Do this:

- Instructions on the Student Page are easily followed.
- The leader might need to help with the first fractional responses.



Adapted from:

Foresman, Scott. *Activities in Mathematics: Probability*. 1971.

Student \_\_\_\_\_



Do this:

- Lay a dollar bill out flat on a hard surface.
- Place all the pennies on it that you can, one layer only, inside the border of the bill.
- This activity is a practice experiment to help you follow a routine, examine your results, and report your findings.
- Give an oral or a written summary of what you have done.
- Complete the table:

**DOLLAR DATA**

Pennies that:	How many?	Fractional part of all
cover the area		
touch the border		
touch the border in 2 places only		
touch other pennies but not the border		
touch the border in one place only		
touch at least 3 other pennies		



WHAT I FOUND