

# Tables at a Birthday Party

NAME \_\_\_\_\_

Work with your group to solve the following problem. You may use square tiles or grid paper to help you.

Tanya Teen started her own summer business - putting on birthday parties for small children. Her neighbors agreed to loan her square card tables to seat the children for refreshments. However, when some of the neighbors were away on vacation, Tanya couldn't use their tables, and she really hated hauling the tables back and forth. Therefore, using as few tables as possible was important to her. Because all the children wanted to sit together, she had to place the card tables together into rectangles. Only one child could sit on each side of a card table.

Her first party had eighteen children. How many tables did Tanya need to borrow?

Record all of the arrangements in the table below:

LENGTH (UNITS)	WIDTH (UNITS)	PERIMETER (UNITS)	AREA (SQUARE UNITS)