

Developing Fluency: Multiplying by 1-Digit Numbers

Dear Family,

Your child is learning how to multiply numbers by a 1-digit number and how to check an answer by using estimation. Here is a game you can do together.

Roll to Multiply

Materials: 4 number cubes labeled 1–6, paper and pencil

Step 1 Player 1 rolls the number cubes to generate four numbers from 1 to 6. For example: 3, 5, 6, and 1

Step 2 Player 1 selects three numbers to use for a 3-digit number and one number to use for a 1-digit number to be multiplied together with the goal to make the largest number. For example:
 531×6

Step 3 Player 1 multiplies the numbers using the paper and pencil. Player 2 checks the math. For example:

$$\begin{array}{r} 1 \\ 531 \\ \times 6 \\ \hline 3,186 \end{array}$$

Step 4 Player 2 takes his or her turn. The player with the greatest product earns one point. The first player to reach five points is the winner.