

Dueling Calculators

Directions:

1. Use a calculator to evaluate each expression in the table below.
2. Be sure to use the appropriate calculator for each column.
3. After completing the table, **highlight** the rows that contain the same numerical solution.
4. Discuss with your partner any big ideas you have based on the results and write your observations at the bottom of the page.

Expression	<u>Basic Calculator Solution</u>	<u>Scientific Calculator Solution</u>
$3 + 4 \times 5$		
$3 \times 4 + 5$		
$3 + 5 \times 4$		
$3 \times 5 + 4$		
$4 + 3 \times 5$		
$4 \times 3 + 5$		
$4 + 5 \times 3$		
$4 \times 5 + 3$		
$5 + 3 \times 4$		
$5 \times 3 + 4$		
$5 + 4 \times 3$		
$5 \times 4 + 3$		

- What observations have you made looking back at the expressions you highlighted?

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Answer Key

Expression	<u>Basic Calculator Solution</u>	<u>Scientific Calculator Solution</u>
$3 + 4 \times 5$	35	23
$3 \times 4 + 5$	17	17
$3 + 5 \times 4$	32	23
$3 \times 5 + 4$	19	19
$4 + 3 \times 5$	35	19
$4 \times 3 + 5$	17	17
$4 + 5 \times 3$	27	19
$4 \times 5 + 3$	23	23
$5 + 3 \times 4$	32	17
$5 \times 3 + 4$	19	19
$5 + 4 \times 3$	27	17
$5 \times 4 + 3$	23	23

- What observations have you made looking back at the expressions you highlighted?