OPERATION: EQUATION

Your mission, if you choose to accept it, is to complete the equations so that all rows and columns make sense. You will need to use the “Order of Operations” in order to complete your mission. Good luck!

Directions:
Begin by setting up the grid to match the grid on the worksheet. Do this by moving the operation symbol cards and the solution cards and placing them in the appropriate pouch so that the grid looks like the one on the worksheet. Using the “Order of Operations” determine where the numbers 1-9 can be placed so that the equations make sense. (REMEMBER: using “Order of Operations” does not mean you can always go left to right or top to bottom for these equations!)

Now that you know your mission and how to complete your mission, fill out the five grids listed on this worksheet. The first grid has one number already filled in for you, but to receive a hint for the other four grids you must first use the “Order of Operations” and then your answer will be a hint for that grid. Good luck on your mission.
1. 

\[
\begin{array}{ccc}
9 & \times & - \\
\times & + & \times \\
\times & + & = 37 \\
+ & - & + \\
+ & \times & = 33 \\
= & = & = \\
46 & 6 & 20
\end{array}
\]

Hint: The “9” is in the first block of the first row (upper left corner block).

2. 

\[
\begin{array}{ccc}
+ & - & = 11 \\
\times & - & \times \\
\times & - & = 1 \\
+ & \times & + \\
+ & + & = 16 \\
= & = & = \\
9 & 6 & 20
\end{array}
\]

Hint: \(4 + 3 \times 6 - 2 \times 5 - 7 + 2 = ?\)

Place your answer in the middle block of the grid.
3.

Hint: \[1 + 7 \times 3 + 6 - 5 \times 4 - 2 = ?\]
Place your answer in the middle block of the third column (the one on the right).

4.

Hint: \[3 + 5 \times 4 + 1 - 9 \times 2 + 7 - 8 = ?\]
Place your answer in the last block of the first column (lower left block).
5.

Hint: \( 6 \times 1 \times 2 + 8 - 5 \times 3 - 1 = ? \)
Place your answer in the middle block of the first row (top middle block).

<table>
<thead>
<tr>
<th>+</th>
<th>−</th>
<th>=</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>×</td>
<td>−</td>
</tr>
<tr>
<td>+</td>
<td>×</td>
<td>=</td>
</tr>
<tr>
<td>×</td>
<td>−</td>
<td>+</td>
</tr>
<tr>
<td>−</td>
<td>+</td>
<td>=</td>
</tr>
</tbody>
</table>

= 13 33 11