ACTIVITY 2: Found in Translation

When deciphering ancient texts, they must first be transcribed, and later translated. While transcribing is simply making a copy of words, **translation** is when we change words from one language into another language.

Ancient languages aren’t the only words in need of translation. Sometimes people **write in codes** that need to be deciphered. Turn the page to get crackin’!
Crack the code below to find out which great artist and inventor wrote many of his notes in secret code!

First, solve these math problems to find the numbers you’ll need to crack the code.

\[
\begin{align*}
1,924 + 3,711 &= \underline{5,635} \\
44.25 + 1,876.75 &= \underline{2,321} \\
55,645 - 49,362 &= \underline{6,283} \\
81,900 - 78,821 &= \underline{3,079} \\
469 \times 383 &= \underline{182,507} \\
12.5 \times 14.2 &= \underline{177.5} \\
9.28 \times 43 &= \underline{401.82} \\
\frac{3140}{4} &= \underline{785} \\
\frac{2016}{7} &= \underline{288} \\
\frac{1825}{5} &= \underline{365} \\
\end{align*}
\]

Next match the numbers you found above to the letters here to fill in the blanks on the opposite page.

<table>
<thead>
<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>G</th>
<th>H</th>
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<td>M</td>
<td>N</td>
<td>O</td>
<td>P</td>
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<tr>
<td>785</td>
<td>38,834</td>
<td>877</td>
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<td>1,921</td>
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<td>S</td>
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<td>V</td>
<td>W</td>
<td>X</td>
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<td>47,324</td>
<td>179,627</td>
<td>18.73</td>
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<td>14.6</td>
</tr>
</tbody>
</table>

20 STEAM Squad
This artist, who came up with the idea of a helicopter 420 years before one was made, wrote his notes backwards so they could be read when held to a mirror!