Students in Rashaad's math class are making up secret codes. Each student is using five different symbols to stand for each of five different mathematical operations. Rashaad challenges Alexis to crack his code using the following equations:

\[
(7 \uparrow 5 \downarrow 11) \downarrow 3 = 8 \\
(6 \downarrow 3) \uparrow 2 = 9 \\
(12 \leftarrow 6 \downarrow 8) \downarrow 6 = 10
\]

Alexis must prove that she's cracked the code by evaluating the expression:

\[
1 \downarrow 2 \leftarrow 3 \leftarrow (12 \downarrow 3) \leftarrow (3 \downarrow 2 \leftarrow 4) \downarrow 5 = ?
\]

Remember that the mathematical operations must be performed in a specific order. You can remember this order by remembering the sentence, "Please Excuse My Dear Aunt Sally". This stands for the order of operations: Parentheses, Exponentiation, Multiplication, Division, Addition, Subtraction.

What number should Alexis get when she evaluates this last equation? Make sure you explain your work.