**What is a postfix expression?**

Postfix expressions are a way of writing

mathematical expressions in which the operator follows its operands. For example, the "normal" (infix) way of writing the sum of the operands 4 and 5 is

4 + 5

In postfix form, the same expression is

written

4 5 +

One interesting feature of postfix expressions

is that the order of operations is never ambiguous. For example, the infix expression

3 + 4 \* 5

is ambiguous, since it could mean either

(3 + 4) \* 5 or 3 + (4 \* 5). (By convention, multiplication takes precedence over addition, so the latter is the accepted interpretation.) In contrast, written in postfix form, these two interpretations are distinct:

3 4 + 5 \*

means (3 + 4) \* 5, and

3 4 5 \* +

means 3 + (4 \* 5).