

1.  $A - (B / C + (D \% E * F) / G) * H$

NEXT TOKEN      STACK      OUTPUT

A		A
-	-	A
(	- (	A
B	- (	AB
/	- (/	AB
C	- (/	ABC
+	- (+	ABC/
(	- (+ (	ABC/
D	- (+ (	ABC/D
%	- (+ (%	ABC/D
E	- (+ (%	ABC/DE
*	- (+ (% *	ABC/DE%
F	- (+ (% *	ABC/DE%F
)	- (+	ABC/DE%F*
/	- (/	ABC/DE%F*
G	- (/	ABC/DE%F*G
)	-	ABC/DE%F*G/+
*	- (*	ABC/DE%F*G/+*
H	- *	ABC/DE%F*G/+/H* -

2.  $14/7 * 3 - 4 + 7/2$

Next Token    Stack    op.

14		14
/	/	14
7	/	14 7
*	* *	14 7 /
3	*	14 7 / 3
-	-	14 7 / 3 *
4	-	14 7 / 3 * 4
+	+	14 7 / 3 * 4 -
9	+	14 7 / 3 * 4 - 9
/	+/	14 7 / 3 * 4 - 9
2	+/	14 7 / 3 * 4 - 9 2 /

$$8. \text{I} \quad 934 + 5 + 4 / -$$

$$\text{II} \quad 9128 + 4 / -$$

$$920 + 4 / -$$

$$95 -$$

$$\underline{4}$$

$$\text{I} \quad 14 / 7 * 3 - 4 + 9 / 2$$

$$2 * 3 - 4 + 9 / 2$$

$$6 - 4 + 9 / 2$$

$$2 + 9 / 2$$

$$11 / 2$$

$$\underline{6.5}$$