



Eight Operations

This is a game for any number of players - each trying to achieve the largest total using the eight operations shown below.

x	x	+	+	+	-	-	-
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Rules :

1. The game requires two dice of different colour. One dice decides if the number is negative (1 to 3) or positive (4 to 6). The other dice gives a number.

So possible outcomes from any dice roll are the following numbers :
 {-6, -5, -4, -3, -2, -1, 1, 2, 3, 4, 5, 6}.

2. Players take turns to roll the pair of dice once.
3. After each turn they have a running score based on the dice. This total is obtained by performing one of the above operations on their results.
4. Operations can only be used once, so when a player has completed 9 rolls of the dice they have completed all of their turns.
 (Note : an operation must be used on each turn, even if it decreases the player's score.)

Example :

First roll : 5.

Second Roll : -4, Running total = 9 (5 - (-4)).

Third Roll : 6, Running total = 54 (6 x 9).

Fourth roll :

Roll Number	Result	Operation	Running Total
1	5		5
2	-4	5 - (-4)	9
3	6	9 x 6	54
4	3	54 + 3	57
5	-2	57 - (-2)	59
6	-6	59 - (-6)	65
7	-1	65 + (-1)	64
8	1	64 x 1	64
9	4	64 + 4	68

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5			
6			
7			
8			
9			

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