

This routine simulates the throwing of a pair of dice, pausing to display first the value of one die (an integer from 1 to 6) and then pausing to display the value of the second die (another integer from 1 to 6). Finally the values of the two dice are added together to give the total value. To roll the dice, key in the initial seed, any decimal using at least 5 digits, press C. The calculator will display first the number rolled by the first die, then the number rolled by the second die, and finally, when the routine stops, you see the total number rolled by the dice. To make another roll, press R/S. The routine uses the last number as a new seed for the roll.

021 f LBL C	31 25 13	035 6	06
022 STO 0	33 00	036 x	71
023 f LBL 0	31 25 00	037 1	01
024 0	00	038 +	41
025 STO 3	33 03	039 f INT	31 83
026 f GSB 2	31 22 02	040 DSP 0	23 00
027 f LBL 2	31 25 02	041 h PSE	35 72
028 RCL 0	34 00	042 STO+3	33 61 03
029 9	09	043 RCL 3	34 03
030 9	09	044 h RTN	35 22
031 7	07	045 GTO 0	22 00
032 x	71	046 h RTN	35 22
033 g FRC	32 83		
034 STO 0	33 00		