

# Broken Calculator Solutions

These may not be the optimal solutions.

## Level 1

$2 \times 3 =$	6
$+ 2 =$	8
$+ 2 =$	10
$+ 2 =$	12
$+ 3 =$	15
$+ 3 + 2 =$	20
$AC 2 + 2 + 3 =$	7
$2 3 + 2 \times 2 =$	50

## Level 2

$5 \times 2 =$	10
$M AC - MR =$	-10
$\times =$	100
$AC 5 - 2 -$	3
$2 = M$	1
$5 \times 5 \times 5 \times 5 =$	625
$2 5 - MR =$	24
$AC 2 \times 2 \times 2 \times 2 \times 2 =$	32

## Level 3

$1 - 6 =$	-5
$AC 6 - 1 -$	5
$1 - 1 =$	3
$AC 1 6 - 1 - 1 - 1 =$	13
$AC 1 1 6 - 1 6 -$	100
$1 8 -$	82
$6 1 - 1 =$	20
$AC 6 1 - 1 6 - 1 1 -$	33
$1 =$	

## Level 4

$1 2 \div 2 \div$	6
$2 = M$	3
$\times =$	9
$2 \times 2 =$	4
$\times 2 = M$	8
$1 1 2 \div 2 =$	56
$\div MR =$	7
$1 0$	10
$\div 2 =$	5

## Level 5

$2 4$	24
$- 4 - 4 - 2 =$	14
$x^2$	196
$- 9 4 - 2 -$	100
$4 4 - 2 4 =$	32
$AC 2 4 - 4 - 2 =$	18
$x^2 - 2 4 =$	300
$AC 9 - 4 - 4 =$	1
$M 9 4 - MR =$	93

## Level 6

$2 2 \div 2 =$	11
$M 2 M+ MR \div 2 =$	6.5
$AC 2 \div 2 =$	1
$M 2 M+ M+ MR$	5
$2 2 M 2 M+ MR$	24
$2 x^2 x^2 \div 2 =$	8
$x^2 M \div 2 =$	32
$M+ 2 M+ M+ MR$	100
$AC 2 x^2 x^2 x^2 M M+ MR$	512