

## FUNCTION MACHINE TEACHER'S GUIDE – LEVEL 1

### Round 1

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 7     | 49     | $\times 7$           |
| 0     | 0      |                      |
| 30    | 210    |                      |
| 25    | 175    |                      |

### Round 2

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 25    | 75     | $\times 3$           |
| 32    | 96     |                      |
| 4     | 12     |                      |
| 13    | 39     |                      |

### Round 3

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 17    | 20     | $+ 3$                |
| 0     | 3      |                      |
| 8     | 11     |                      |
| 45    | 48     |                      |

## FUNCTION MACHINE TEACHER'S GUIDE – LEVEL 2

### Round 1

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 34    | 15     | $\div 2 - 2$         |
| 17    | 6.5    |                      |
| 49    | 222.5  |                      |
| 20    | 8      |                      |

### Round 2

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 22    | 45     | $\times 2 + 1$       |
| 14    | 29     |                      |
| 18    | 37     |                      |
| 3     | 7      |                      |

### Round 3

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 13    | 59     | $\times 5 - 6$       |
| 46    | 224    |                      |
| 23    | 109    |                      |
| 8     | 34     |                      |



## FUNCTION MACHINE TEACHER'S GUIDE – LEVEL 3

### Round 1

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 26    | 143    | $\times 2 + 91$      |
| 38    | 167    |                      |
| 22    | 135    |                      |
| 41    | 173    |                      |

### Round 2

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 16    | -32    | $\div 2 - 40$        |
| 15    | -32.5  |                      |
| 20    | -30    |                      |
| 0     | -40    |                      |

### Round 3

| Input | Output | What's the Function? |
|-------|--------|----------------------|
| 40    | 449    | $\times 9 + 89$      |
| 26    | 323    |                      |
| 12    | 197    |                      |
| 1     | 98     |                      |