

COUNTDOWN Challenge

Algebra - Magic Tricks

English

Algebra

- | | | |
|----|---------------------------------|------------------------------|
| 1. | Choose a number | N |
| | Add 10 | $N + 10$ |
| | Subtract the original # | $N + 10 - N$ |
| | (Secret # will always be _____) | |
| 2. | Choose a number | N |
| | Add 10 | $N + 10$ |
| | Subtract 1 | $N + 10 - 1$ |
| | Add 1 | $N + 10 - 1 + 1$ |
| | Subtract original # | $N + 10 - 1 + 1 - N$ |
| | (Secret # will always be _____) | |
| 3. | Choose a number | N |
| | Add 10 | $N + 10$ |
| | Subtract 1 | $N + 10 - 1$ |
| | Subtract 1 | $N + 10 - 1 - 1$ |
| | Add 2 | $N + 10 - 1 - 1 + 2$ |
| | Subtract the original # | $N + 10 - 1 - 1 + 2 - N$ |
| | (Secret # will always be _____) | |
| 4. | Choose a number | N |
| | Add 10 | $N + 10$ |
| | Subtract 1 | $N + 10 - 1$ |
| | Add 1 | $N + 10 - 1 + 1$ |
| | Subtract 2 | $N + 10 - 1 + 1 - 2$ |
| | Add 2 | $N + 10 - 1 + 1 - 2 + 2$ |
| | Subtract the original # | $N + 10 - 1 + 1 - 2 + 2 - N$ |
| | (Secret # will always be _____) | |