

## 10. IS 1 THE LONELEST NUMBER PROBLEM

One day when my daughter was about three years old I wanted her to impress her grandma and grandpa. So, I took her aside and said that I would be asking her several math questions and that she should answer 1 to every question I asked unless I winked whereas she was to answer 2.

We proceeded to go in by where Grandma & Grandpa was and I asked her, "What is  $0+1$ ?" and she answered, "1". "Yeah", said Grandma & Grandpa while clapping. I proceeded to ask what  $5-4$  was,  $1 \times 1$ ,  $1/1$ ,  $13^0$ , and  $\text{TAN } \pi/2$  radians, etc. Since that day I've run across dozens of unique ways to arrive at the number 1 for an answer. Can you come up with a long list of unique ways of arriving at the number 1?