

HP 48 One Minute Marvel

One minute marvels are short, efficient, unusual, and fun HP 48 programs that may be entered into your machine in a minute or less.

Delta Percent

Calculating percent is difficult for most people. It is not difficult because of the math; it is difficult because of people. Just look at the percent function on a dozen calculators of various manufacturers and you will see this. Consider a pie that cost \$4 last year and costs \$5 this year. What is the percent change? (delta percent?)

Percent problems of this type always have two answers. This either confuses people or inspires them to use it to their own advantage. A sales commission may be 15%. Is that 15% of the sale or 15% of the cost of the product sold? The sales person wants the sale price as the reference; the employer wants the cost as the reference. The pie is 25% more expensive this year. The pie was also 20% less expensive last year. These are the same numbers, but using a different reference.

This program solves this “problem”. ‘D%’ accepts two positive numbers in either order and returns *both* percentage answers. The reduction is negative and *always* on level two. Once you start using this seven command marvel you won’t leave home without it in your HP48.

‘D%’ << %CH LASTARG SWAP %CH MAX LASTARG MIN >>