IEEE Rounding 6,1,2,3 H round & 6,7,8,9 round 1 round to the nearest even digit 1.5 => 2.4

2.5 =) 2.4

Nemember there are an infinite number of values between $\phi, \phi \supset 1.6$. We can oul, represent 253 with double precision FP example 2.56 x 10 + 7.34 x 162 ve pertor 2.3400 + 0.0256 7.3456 50, 2.3656 x 162 We must now round to Z significant digits Le Me right of the decimal. \$4 > 49 round V \$1 -> 99 round 1 to nearest even In This case 2.37 x 102 Misc Trivia ? ICEE 754, defines 32, 64, 4128 bit FP Cormats C# has a decimal type That is 128 bits C(C++ Clout 15 37 bits
double 15 64 bits Check on 12E bits? 1/10 in binary 15 ф. ood 11 od 11 od 11 od 11 - - los estronal en decimal, but irrational in binary. Most monetary calculations are

performed using binary coded

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performed using binary coded decimals.

Patterns
66461 round V

4 14 411 round 1