

Significant Digits Examples

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Significant zero's:	Number significant digits
15.5	3
15.50	4
15.05	4
0.0155	3
0.01550	4

Addition and Subtraction

Round to:

$12.4 \dots = 28.18000$ $+ 15.78$	28.2
$167.34 \dots = 1114.64000$ $+ 947.3$	1114.6
$495.367 \dots = 458.12700$ $+ -37.24$	458.13
$1.73485 \dots = 1132.04685$ $+ 145.182 \dots$ $+ 985.13$	1132.05
$421 \dots = 437.48650$ $+ 16.4865$	437
$231 \dots = 248.54000$ $+ 17.54$	249
$232 \dots = 249.56000$ $+ 17.56$	250.

Multiplication and Division:

$2 \cdot 3 = 6.00000$	6
$45.3 \cdot 27.4 = 1241.22000$	$1.24 \cdot 10^3$
$1.5487 \cdot 12.2 = 18.89414$	18.9
$\frac{56.7}{3.4} = 16.67647$	17
$(1.465 \cdot 10^4) \cdot (4.68 \cdot 10^{-2}) = 685.62000$	686