

SIGNIFICANT FIGURES PRACTICE

How many significant figures are in each number? For 16-20, indicate the number of significant figures in the bolded number.

1	1.082		11	230.	
2	0.034		12	2.710×10^2	
3	3.2978×10^3		13	190	
4	10.00		14	190.	
5	2.3		15	19.0	
6	00138.20		16	diameter = 2.74×2	
7	1006.0		17	diameter = 2.74 $\times 2$	
8	0.0002		18	60 minutes in 1 hour	
9	2371		19	2 dozen = 24	
10	2370		20	100 cm in 1 m	

Perform each calculation with the correct number of significant figures

21	3.2×9.02	
22	9.002×0.001	
23	$\frac{6.02}{9.1}$	
24	$3.625 + 9.01$	
25	$6.005 - 0.02$	
26	$71.2695 + 2.00 - 0.1$	
27	$21.4 \times (6.1 - 1.1)$	
28	$2462.258 + 942.65$	
29	$\frac{(2.1 + 6.123)}{2.2}$	
30	$6.2 \times 10.36 \times (2.01 - 6)$	
31	$31.278 - 12.65 + 9.2$	
32	$\frac{0.006}{0.0006}$	
33	$3.2 + 9.2845623 - 2$	
34	$(3.1 - 0.01)(5.0 + 1.2345)$	
35	$78 \div 9.25874$	
36	$2.198 + 384$	
37	$3.2 \times 10^{-3} + 1.2 \times 10^4$	
38	$0.0000005 + 1.0$	
39	$(0.035 + 20.) \times 19$	
40	$\frac{27.5}{(3.002 - 0.01)}$	