

Significant Figure Worksheet.

1. Indicate the number of significant figures for each of the measurements.

37.2m _____	56cm _____	0.0000076s _____
0.80kg _____	3015kg _____	789mm _____
56.02m _____	4.24 $\times 10^3$ m _____	5.00cm _____
2.999 $\times 10^6$ m / s _____	9.7 $\times 10^{10}$ m _____	0.00015g _____
0.050m _____	5.6 $\times 10^2$ _____	104.080J _____

2. Calculate the answer and express to the correct number of significant figures. Use scientific notation.

37.2 + 0.12 + 363.55 = _____	362.66 \times 29.2 = _____
4005.34 \times 325.2600 = _____	0.00076 \times 0.00060000 = _____
2.4 \times 6.0 = _____	0.23 \times 0.350 \times 4 = _____
55 \times 0.540 \times 326 = _____	0.0060 \times 55.1 \times 26 = _____
750 \div 1.3 = _____	(0.094) \times (720) \div 4.4 = _____

3. Scientific notation is an expression of the type

$N \times 10^n$ where N is greater than 1 and less than 10 ($1 < N < 10$).

For example 5,190,000 is expressed as 5.19×10^6 .