

Scientific Notation, Significant Figures, Metric Conversions

Work out the problem and answer it in the space provided.

Do Not Use a Calculator

These should be done in your head or worked out on paper.

How Many Significant Figures

- 1) 2.3065003 g _____
- 2) .0325400 m _____
- 3) 12500 ml _____
- 4) 63200.0 s _____

How Many Significant Figures should be in the answer?

- 5) 600.01 m multiplied by 2.3 m _____
- 6) .25300 m divided by 60000 m _____

Put these numbers in Proper Scientific Notation.

- 7) 125000 m _____
- 8) 60200000000000000000000000000 atoms _____
- 9) 125.00000 m _____
- 10) .000056 g _____

Convert these amounts to the following units.

- 11) 375 m to _____ mm
- 12) 32.5 dm to _____ km
- 13) 25.33 deg to _____ dg
- 14) 4438 cg to _____ g

Add and Subtract using Significant Figure Rules

- 15) $4050g + 27g =$ _____
- 16) $4050g - 23g =$ _____