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## **Significant Figures and Scientific Notation Worksheet**

State how many significant figures are in the numbers below.

- 1) 0.013
- 2) 2450
- 3) 780.0
- 4) 96000
- 5) 0.05780

Create a number below that is 4 significant figures and has a decimal in it.

Give the answer with the correct significant figures for the problems below.

- 1)  $96.4 + 53 =$
- 2)  $0.837 - 0.0039 =$
- 3)  $6790 + 82.1 - 15700 + 30.4 =$
- 4)  $0.008 + 720 = 720$
- 5)  $69.3 - 75.624 = -6.3$
  
- 6)  $45 * 62.1 =$
- 7)  $3724 * 900 =$
- 8)  $0.00105 / 0.007639 =$
- 9)  $(763 * 159) / (20 * 348) =$
- 10)  $(0.00840 * 0.01209) / 0.0006573 =$

Put these numbers in scientific notation

- 1) 59000
- 2) 0.0014
- 3) 9340000000
- 4) 0.00000318
- 5) 10

Write the regular number from the scientific notation below.

1)  $3.5 * 10^3$

2)  $7.9 * 10^{-4}$

3)  $4 * 10^1$

4)  $1.72 * 10^{-7}$

5)  $8.38 * 10^9$

Solve the multiplication and division problems below.

1)  $(3.2 * 10^3) (4.5 * 10^2) =$

2)  $\frac{1.7 * 10^5}{6.9 * 10^4} =$

3)  $\frac{(7.8 * 10^{-3}) (6.2 * 10^{-4})}{9.4 * 10^{-5}} =$

4)  $\frac{(2.5 * 10^{-7}) (4.9 * 10^5)}{(7.3 * 10^8) (9.1 * 10^{-6})} =$

