## **Identification Rules**

- 1. Nonzero numbers are always significant.
- 2. Final zeros after the decimal point are significant.
- 3. Zeros between two significant digits are significant.
- 4. Zeros for spacing to the decimal point are not significant.

## Practice

Identify the number of significant figures in each of these numbers.

1.	1	5.	100100
2.	1.0	6.	105100.10
3.	10	7.	0.0031
4.	10.701	8.	0.30060

## **Operation Rules**

The result of any calculation cannot be more precise than the least precise measurement.

- 1. Addition and Subtraction Round to the least precise decimal place.
- 2. Multiplication and Division Round to the least precise number of significant figures.

## Practice

Solve the following problems to the correct number of significant figures.

1.	1.007 + 0.36 =	5.	10.550 - 55.000 × 0.10 =
2.	10.5 - 1.04 =	6.	100 ÷ 56.01 + 3.1 =
3.	9.71 × 3.6976 =	7.	0.05 × 10.5 × 5.10 =
4.	100 ÷ 3.1416 =	8.	10.0 ÷ 4.67 × 0.30 =