

Significant Figures

1. How many **significant figures** are in each of the following numbers?

a. 549

3

b. 1005

4

c. 2500

2, 3, or 4

d. 2500.0

5

e. 0.00059

2

f. 0.000590

3

2. Perform the following mathematical operations and express each result to the correct number of significant figures.

a. $5.43 \times 20.2 \times 3.1415 = \mathbf{345}$

b. $1.1 + 15.63 + 0.098 = \mathbf{16.8}$

c. $(25.4 \times 4.15) - 40.25 = \mathbf{65}$

