

Significant Figures Extra Practice

Determine how many significant figures there are in each of the following:

1. 456003
2. 2010
3. 0.004501
4. 300
5. 125.00
6. 0.0250
7. 0.0001
8. 12000

Please perform the following calculations and write the answer with the correct number of significant figures:

1. $12.48 \text{ g} + 0.234 \text{ g}$
2. $123 \text{ mm} \times 4567 \text{ mm}$
3. $670 \text{ L} / 45.3 \text{ L}$
4. $(2.010 \text{ cm} - 0.980 \text{ cm}) \times (23.45 \text{ cm} + 4.7 \text{ cm})$
5. $(210 \text{ m} + 123 \text{ m}) \times (12.9 \text{ m} - 2.35 \text{ m})$

Please write each of the following numbers in scientific notation after rounding to 2 significant figures:

1. 2357809
2. 0.00079823
3. 145.890
4. 0.00600
5. 2090