

Warm-Up!

How many significant figures are in the following numbers:

a) 10.05 4

b) 0.0010100 5

c) 10,000 1

Addition and Subtraction

↓

a) $\underline{45} + 0.034 + 25.7 = \underline{70.734} = 71$

b) $\underline{123} - 45.6 = 77.4 = 77$

c) $\underline{1000} + 456 - 12 = 1444 = 1000$

↓

11
123.571

Multiplication and Division

$$\text{a) } \overset{5}{35.152} \times \overset{4}{\underline{1256}} = 44150.912 = 44,150$$

$$\text{b) } \overset{3}{456} \div \overset{2}{\underline{32}} = 14.25 = 14$$

$$\text{c) } \overset{2}{34} \times \overset{3}{125} \div \overset{1}{3} = 1416.\overline{6} = 1000$$

120000

Ticket

Calculate the number of significant digits in each of the following:

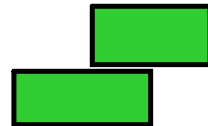
1) 30803 2) 0.005670

3) 3450

Complete each of the following calculations giving the correct number of SF in your answer

4) $3.76 \text{ g} + 14.83 \text{ g} + 2.1 \text{ g} =$

5) $34.8/2.6 =$



Homework - Significant Figures Worksheet

Attachments

S10 sig figs answers.notebook