

Worksheet 1.

6 Q1 Determine the number of significant figures in the following numbers.

a. 0.492 Ans = 3

b. 0.0234 Ans = 3

c. 4.020 Ans = 4

d. 0.0490 Ans = 3

7 Q2 Determine the absolute and relative uncertainty of the following

Sun a. 8.26 Abs = 0.01 ; Relat = $\frac{0.01}{8.26}$

b. 0.826 Abs = 0.001 ; R = $\frac{0.001}{826}$

c. 0.0826 Abs = 0.0001 R = $\frac{1}{826}$

d. 0.8260 Abs = 0.0001 R = $\frac{1}{8260}$