Problem 2

(I) How many significant figures do each of the following numbers have: (a) 214, (b) 81.60, (c) 7.03, (d) 0.03, (e) 0.0086, (f) 3236, and (g) 8700?

Solution

(a) 214: 3 significant figures

(b) 81.60: 4 significant figures

(c) 7.03: 3 significant figures

(d) 0.03: 1 significant figures

(e) 0.0086: 2 significant figures

(f) 3236: 4 significant figures

(g) 8700: 2 significant figures because the number is certain to ± 100