

Exercise 50

The following quantities were reported on the labels of commercial products. Determine the number of significant figures in each.

- (a) 0.0055 g active ingredients
- (b) 12 tablets
- (c) 3% hydrogen peroxide
- (d) 5.5 ounces
- (e) 473 mL
- (f) 1.75% bismuth
- (g) 0.001% phosphoric acid
- (h) 99.80% inert ingredients

Solution

- (a) 2 significant figures
- (b) 2 significant figures
- (c) 1 significant figure
- (d) 2 significant figures
- (e) 3 significant figures
- (f) 3 significant figures
- (g) 1 significant figure
- (h) 4 significant figures