

Significant Figures

1. Round the following numbers to one significant figure (1 sig. fig.).

- (a) 4269 (b) 14 774 (c) 17 (d) 487 (e) 18 152 (f) 2085
(g) 7510 (h) 6551 (i) 42 670 (j) 451 (k) 14 308 (l) 24 859
(m) 6 890 000 (n) 55 847 155 (o) 38 749 886 541 (p) 25

2. Round the following numbers to two significant figures (2 sig. figs.).

- (a) 5187 (b) 24 885 (c) 221 (d) 555 (e) 19 352 (f) 2065
(g) 7650 (h) 6549 (i) 42 501 (j) 448 (k) 78 209 (l) 29 899
(m) 6 890 000 (n) 55 847 155 (o) 38 749 886 541 (p) 351

3. Round the following numbers to three significant figures (3 sig. figs.).

- (a) 8181 (b) 24882 (c) 2217 (d) 5554 (e) 19 551 (f) 2077
(g) 7682 (h) 6149 (i) 42 552 (j) 4499 (k) 78 209 (l) 29 897
(m) 6 893 000 (n) 55 847 155 (o) 38 749 886 541 (p) 35 150 001

4. Round each of the following decimals to:

- (i) 1 significant figure
(ii) 2 significant figures
(iii) 3 significant figures

- (a) 8.33333 (b) 23.81558 (c) 1.53097 (d) 347.502
(e) 12.189 (f) 3.691 (g) 11.1855 (h) 89.912
(i) 462.33 (j) 311.851 (k) 3012.5 (l) 798.15