

Significant Figures

1. How many significant figures are there in each number?

- | | | | |
|----------|-----------|------------|-----------|
| (a) 546 | (b) 23 | (c) 1.578 | (d) 309 |
| (e) 0.09 | (f) 7 | (g) 30.6 | (h) 50.00 |
| (i) 3408 | (j) 4.560 | (k) 12.309 | (l) 3.000 |

2. Round the following numbers to 1 significant figure.

- | | | | |
|---------|------------|------------|-------------|
| (a) 58 | (b) 3.6 | (c) 0.066 | (d) 521 |
| (e) 675 | (f) 75 | (g) 3890 | (h) 7.9 |
| (i) 355 | (j) 78 900 | (k) 0.0078 | (l) 780 000 |
| (m) 6.7 | (n) 45 600 | (o) 9.00 | (p) 350 |

3. Round each number to the given degree of accuracy:

- | | | |
|----------------------|------------------------|-----------------------|
| (a) 560 (1 s.f.) | (b) 0.0046 (1 s.f.) | (c) 345.8 (2 s.f.) |
| (d) 45.009 (3 s.f.) | (e) 14.007 (4 s.f.) | (f) 120 (1.s.f.) |
| (g) 0.00789 (2 s.f.) | (h) 5 650 000 (2 s.f.) | (i) 0.002031 (2 s.f.) |
| (j) 325 500 (3 s.f.) | (k) 34.6666 (3 s.f.) | (l) 50 099 (3 s.f.) |

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