

Rounding & Estimation



i. Round the following numbers to the significant figure given in brackets

- 346 (1 s.f.)
- 5349 (1 s.f.)
- 63974 (2 s.f.)
- 865325 (3 s.f.)
- 78568 (4 s.f.)
- 255.89 (2 s.f.)
- 0.065465 (2 s.f.)
- 79959 (2 s.f.)

ii. Round the following numbers to the decimal place given in brackets

- 3.561 (1 d.p.)
- 7.34214 (3 d.p.)
- 5.325 (2 d.p.)
- 10.346 (1 d.p.)
- 7.6783 (2 d.p.)
- 85.655 (2 d.p.)
- 3.141592654 (5 d.p.)
- 0.0000324 (2 d.p.)

iii. Approximate the answer to the following expressions

- $\frac{3.9 \times 4.1}{2.2}$
- $\frac{9.1 + 3.4}{4.2}$
- $\frac{27.2}{9.1} \times 4.7$
- $\frac{6.7^2 - 3.6}{4.97}$
- $2.1(4.9 + 5.6)$
- $\frac{10.75 + \sqrt{10}}{13.96}$