

Extra Practice Follow Up for Homework ①
for Wednesday 17th September

Exercise 2

Round these numbers to 1 significant figure :-

- (a) 8.63 (b) 863 (c) 8630 (d) 0.0369 (e) 0.542 (f) 9999

Examples

Rounding to significant figures.

e.g. Round 947263 to :- (a) 1 significant figure
(b) 2 significant figures
(c) 3 significant figures
(d) 4 significant figures

- (a) 947263 becomes 900000 when rounded to 1 significant figure.
(b) 947263 becomes 950000 when rounded to 2 significant figures.
(c) 947263 becomes 947000 when rounded to 3 significant figures.
(d) 947263 becomes 947300 when rounded to 4 significant figures.

Exercise 3

- Round to 2 significant figures :- (a) 9.63 (b) 1.87 (c) 25.9 (d) 5.02
- Round to 3 significant figures :- (a) 48.21 (b) 2.465 (c) 0.4910 (d) 0.4991
- Round to 4 significant figures :- (a) 1.2865 (b) 0.12964 (c) 0.05378 (d) 124.651
- Round the following to the number of figures shown in brackets :-
(a) 6.135 (2) (b) 5.007 (3) (c) 18919 (2) (d) 18918 (3)
(e) 0.00518 (2) (f) 4.821 (1) (g) 10.001 (4) (h) 3.1416 (3)

Answers

Ex 2 (a) 8 (b) 800 (c) 8000 (d) 0.04 (e) 0.5 (f) 10000

Ex 3 ① (a) 9.6 (b) 1.9 (c) 26 (d) 5.0

② (a) 48.2 (b) 2.47 (c) 0.49 (d) 0.499

③ (a) 1.287 (b) 0.1296 (c) 0.05378 (d) 124.7

④ (a) 6.1 (b) 5.01 (c) 19000 (d) 18900 (e) 0.0052 (f) 5 (g) 10.00 (h) 3.14