

Examples



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Workout

Question 1: Round each of the following numbers to 1 significant figure

- (a) 36 (b) 22 (c) 83 (d) 68 (e) 97 (f) 120 (g) 519
(h) 260 (i) 741 (j) 888 (k) 408 (l) 650 (m) 148 (n) 972
(o) 3900 (p) 5400 (q) 4125 (r) 2732 (s) 6349 (t) 8099 (u) 6499

Question 2: Round each of the following numbers to 1 significant figure

- (a) 12000 (b) 46000 (c) 74500 (d) 83771 (e) 95120 (f) 330000
(g) 863000 (h) 248220 (i) 489331 (j) 13800000

Question 3: Round each of the following numbers to 1 significant figure

- (a) 2.9 (b) 3.2 (c) 5.7 (d) 46.81 (e) 57.25 (f) 80.96 (g) 94.9
(h) 115.1 (i) 8.482 (j) 13.65 (k) 66.321 (l) 5501.4 (m) 48.02 (n) 99.99

Question 4: Round each of the following numbers to 1 significant figure

- (a) 0.54 (b) 0.86 (c) 0.161 (d) 0.048 (e) 0.0943 (f) 0.0071 (g) 0.0038
(h) 0.06482 (i) 0.8835 (j) 0.00064 (k) 0.00098 (l) 0.00002789

Question 5: Round each of the following numbers to 2 significant figures

- (a) 844 (b) 665 (c) 129 (d) 2840 (e) 9250 (f) 1359 (g) 298
(h) 504 (i) 999 (j) 3841 (k) 48500 (l) 13.7 (m) 58.3 (n) 49.6
(o) 1.41 (p) 42.64 (q) 0.3189 (r) 22490 (s) 186110 (t) 0.04912 (u) 4.98
(v) 997826 (w) 2.99517 (x) 0.06014

Rounding: Significant Figures

Video 279a on www.corbettmaths.com

Question 6: Round each of the following numbers to 3 significant figures

- (a) 9433 (b) 1891 (c) 2496 (d) 3.226 (e) 37756 (f) 57147 (g) 7.0078
(h) 51.564 (i) 0.90341 (j) 2.7892 (k) 0.08906 (l) 0.007812 (m) 9909.1 (n) 0.6006

Apply

Question 1: In an election 43.8% of people voted for a candidate.
Round this figure to one significant figure

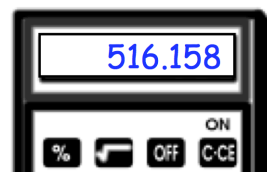
Question 2: 32641 people watch a rugby match between Italy and Argentina.
Round this number to 2 significant figures.

Question 3: Round the following numbers to 1 significant figure

- (a) eight million, six hundred thousand (b) the product of 19 and 351

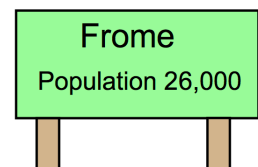
Question 4: Tom has been asked to round the number on the calculator to 2 significant figures.
Tom says the answer is 516.16

Can you explain Tom's mistake?



Question 5: The population of Frome to 2 significant figures is 26,000.

- (a) Write down the lowest number of people that could live in Frome?
(b) Write down the greatest number of people that could live in Frome?



Question 6: Round 7.494×10^7 to 2 significant figures.
Give your answer as an ordinary number.

Answers



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