

Rounding Decimals 2

Rounding decimals is similar to rounding other numbers. First find out to what 'decimal place' (place value column) the decimal is to be rounded. Next underline the digit to the right of this. When you have finished rounding, all the digits including and after the underlined one will become 0. Remember that if the digit on the right is 0,1,2,3,4, the rounded digit remains the same value; if the digit on the right is 5,6,7,8,9 the rounded digit increases by one.

Example: Round 2.99 to the nearest tenth

In this number the 3 is in the tenths column so we look at the digit on its right...

2.99 = 2.99 We know that 9 rounds up but we can't round up as we already have a 9. What do we do? Think of it in the same way as carrying over in addition. The 9 becomes 0 and add 1 to the next column across on the left

2.99 = 3.00. Our final answer is 3.00 or 3

Now try these using the same method

1. Round these numbers to the nearest tenth:

a) 4.67 rounds to _____

b) 3.93 rounds to _____

c) 9.97 rounds to _____

d) 8.91 rounds to _____

e) 10.90 rounds to _____

f) 53.75 rounds to _____

g) 16.27 rounds to _____

h) 44.07 rounds to _____

i) 637.82 rounds to _____

j) 5.96 rounds to _____

Now round these numbers to the nearest hundredth

a) 1.792 rounds to _____

b) 73.695 rounds to _____

c) 62.358 rounds to _____

d) 2.198 rounds to _____

e) 4.349 rounds to _____

f) 12.136 rounds to _____

g) 452.763 rounds to _____

h) 24.190 rounds to _____

i) 4.567 rounds to _____

j) 53.548 rounds to _____

Rounding Decimals 2

1. Round these numbers to the nearest tenth:

- a) 4.67 rounds to 4.70
- b) 3.93 rounds to 3.90
- c) 9.97 rounds to 10.0
- d) 8.91 rounds to 8.90
- e) 10.90 rounds to 10.90
- f) 53.75 rounds to 53.80
- g) 16.27 rounds to 16.30
- h) 44.07 rounds to 44.10
- i) 637.82 rounds to 637.80
- j) 5.96 rounds to 6.00

Now round these numbers to the nearest hundredth

- a) 1.792 rounds to 1.790
- b) 73.695 rounds to 73.70
- c) 62.358 rounds to 62.36

- d) 2.198 rounds to 2.20
- e) 4.349 rounds to 4.35
- f) 12.136 rounds to 12.14
- g) 452.763 rounds to 452.76
- h) 24.190 rounds to 24.19
- i) 4.567 rounds to 4.57
- j) 53.548 rounds to 53.55