

NUMBER: Place Value with Decimal Numbers

Name:

Date:

<http://www.learnersgrid.com>

Give the expanded numeral for each of the compact numerals below:

[a] 51.84

[b] 893.284

[c] 93.844

[d] 632.

[e] 86.117

[f] 94.328

[g] 2314.74

[h] 117.237

[i] 2558.089

[k] 371.7

[m] 87.463

[n] 9.391

[p] 0.25

[q] 0.948

ANSWERS

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Give the expanded numeral for each of the compact numerals below:

[a] 51.84 = 50 + 1 + 0.8 + 0.04

[b] 893.284 = 800 + 90 + 3 + 0.2 + 0.08 + 0.004

[c] 93.844 = 90 + 3 + 0.8 + 0.04 + 0.004

[d] 632.0 = 600 + 30 + 2 (*also: 600 + 30 + 2 + 0*)

[e] 86.117 = 80 + 6 + 0.1 + 0.01 + 0.007

[f] 94.328 = 90 + 4 + 0.3 + 0.02 + 0.008

[g] 2314.74 = 2000 + 300 + 10 + 4 + 0.7 + 0.04

[h] 117.237 = 100 + 10 + 7 + 0.2 + 0.03 + 0.007

[i] 2558.089 = 2000 + 500 + 50 + 8 + 0.08 + 0.009

[k] 371.7 = 300 + 70 + 1 + 0.7

[m] 87.463 = 80 + 7 + 0.4 + 0.06 + 0.003

[n] 9.391 = 9 + 0.3 + 0.09 + 0.001

[p] 0.25 = 0.2 + 0.05

[q] 0.948 = 0.9 + 0.04 + 0.008