

Standard Form for Large Numbers

Write each of the following numbers in standard form:

- (a) 6000 (b) 40000
 (c) 500 (d) 90000000
 (e) 3700 (f) 5100000
 (g) 40 (h) 780
 (i) 2890 (j) 3.8

- (a) 6×10^3 (b) 4×10^4
 (c) 5×10^2 (d) 9×10^7
 (e) 3.7×10^3 (f) 5.1×10^6
 (g) 4×10^1 (h) 7.8×10^2
 (i) 2.89×10^3 (j) 3.8×10^0

Write each of these standard form numbers as ordinary numbers:

- (a) 3×10^5 (b) 8×10^2
 (c) 7×10^8 (d) 2×10^4
 (e) 5.4×10^4 (f) 2.3×10^6
 (g) 6×10^1 (h) 8.5×10^3
 (i) 7.2×10^0 (j) 4.23×10^5

- (a) 300000 (b) 800
 (c) 700000000 (d) 20000
 (e) 54000 (f) 2300000
 (g) 60 (h) 8500
 (i) 7.2 (j) 423000

Copy and complete the table:

Ordinary Number	Standard Form
630000	
	7.9×10^3
	1.34×10^5
223	
	3.15×10^1

- 6.3×10^5
 7900
 134000
 2.23×10^2
 31.5

Put these numbers in order, smallest to biggest:

- (a) 56000, 5.8×10^3 , 5.2×10^4
 (b) 1.12×10^4 , 102000, -1.2×10^5
 (c) 3.22, 3.32×10^0 , 3.2×10^1

- (a) 5.8×10^3 , 5.2×10^4 , 56000
 (b) -1.2×10^5 , 1.12×10^4 , 102000
 (c) 3.22, 3.32×10^0 , 3.2×10^1

Convert these numbers into standard form:

- (a) 200×10^2 (b) 30×10^6
 (c) 75×10^4 (d) 389×10^5

- (a) 2×10^4 (b) 3×10^7
 (c) 7.5×10^5 (d) 3.89×10^7