Ordering Numbers in Standard Form

Put the numbers in order from smallest to biggest.

(a) $8 \times 10^5, 8 \times 10^2, 8 \times 10^9, 8 \times 10^4$

(b) $7 \times 10^{-5}, 7 \times 10^{-2}, 7 \times 10^{-9}, 7 \times 10^{-4}$

(c) $6 \times 10^4, 6 \times 10^{-1}, 6 \times 10^2, 6 \times 10^{-3}$

(d) $5 \times 10^3, 4 \times 10^4, 4 \times 10^3, 5 \times 10^4$

Put the numbers in order from smallest to biggest.

(a) $2.1 \times 10^4, 2300, 23100, 2.13 \times 10^4$

(b) $3.8 \times 10^6, 3.78 \times 10^6, 380000, 3.87 \times 10^5$

(c) $5 \times 10^{-2}, 0.06, 5.6 \times 10^{-1}, 6 \times 10^{-3}$

(d) $4.3 \times 10^{-1}, 3.4 \times 10^{-2}, 4.34 \times 10^0, 0.34$

Put the numbers in order from smallest to biggest.

(a) $9 \times 10^4, 90 \times 10^2, 9 \times 10^2, 900 \times 10^3$

(b) $100 \times 10^7, 1 \times 10^{10}, 10 \times 10^7, 1.1 \times 10^9$

(c) $200 \times 10^{-5}, 2.1 \times 10^{-3}, 2 \times 10^{-6}, \ 22 \times 10^{-4}$

(d) $30 \times 10^0, 3.2 \times 10^{-1}, 300 \times 10^{-2}, 33 \times 10^{-2}$

Put the numbers in order from smallest to biggest.

(a) $7600, 6.7 \times 10^4, 7.7 \times 10^3, 66 \times 10^3$

(b) $0.54, 5 \times 10^{-2}, 45 \times 10^{-2}, 540 \times 10^{-4}$

(c) $2.3 \times 10^2, 32, 330 \times 10^1, 23.2 \times 10^1$

(d) $0.099, 9 \times 10^{-2}, 99 \times 10^{-1}, 900 \times 10^{-3}$

(a) Put these lengths in order from smallest to biggest.

$0.5 \text{ m}, 6 \times 10^4 \text{mm}, 0.00065 \text{ km}, 5.6 \times 10^1 \text{ cm}$

(b) Put these masses in order from smallest to biggest.

$3.3 \text{ g}, 3.2 \times 10^{-4} \text{ kg}, 0.023 \text{ kg}, 2.33 \times 10^{-1} \text{g}$

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