**Standard Form for Small Numbers**

Write each of the following numbers in standard form:

(a) $0.005$ (b) $0.00007$

(c) $0.02$ (d) $0.00000008$

(e) $0.0056$ (f) $0.000034$

(g) $0.87$ (h) $0.0061$

(i) $0.000032$ (j) $0.0352$

Write each of these standard form numbers as ordinary numbers:

(a) $5×10^{-3}$ (b) $7×10^{-2}$

(c) $6×10^{-5}$ (d) $2×10^{-4}$

(e) $7.3×10^{-3}$ (f) $2.8×10^{-6}$

(g) $4×10^{-1}$ (h) $8.5×10^{-4}$

(i) $5.6×10^{0}$ (j) $2.95×10^{-1}$

Copy and complete the table:

|  |  |
| --- | --- |
| Ordinary Number | Standard Form |
| $$0.0006$$ |  |
|  | $$8.1×10^{-3}$$ |
|  | $$6.27×10^{-5}$$ |
| $$0.0223$$ |  |
|  | $$5.13×10^{-1}$$ |

Put these numbers in order, smallest to biggest:

(a) $0.0039, 3.7×10^{-3}, 3.4×10^{-2} $

(b) $1.1×10^{-4}, 0.0002, 1.2×10^{-5} $

(c) $0.87, 8.5×10^{0}, 9.2×10^{-1} $

Convert these numbers into standard form:

(a) $30×10^{-4}$ (b) $700×10^{-1}$

(c) $75×10^{-3}$ (d) $564×10^{-5}$

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