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| \*Learning Target: |
| \*Critical Content: |

Scientific notation –

 **Ex1**: Express each number in scientific notation.
a) 201,000,000 b) 0.000051 1a) 68,700,000,000 1b) 0.0000725

**Ex2**: Express each number in standard form.
a) $6.32×10^{9}$ b) $4×10^{-7}$ 2a) $3.201×10^{6}$ 2b) $9.03×10^{-5}$

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| \*To multiply numbers in scientific notation: | \*To divide numbers in scientific notation: |
| Step 1)  | Step 1) |
| Step 2) | Step 2) |

**Ex3**: Evaluate $\left(3.5×10^{-3}\right)\left(7×10^{5}\right)$ 3a) Evaluate $(6.5×10^{12})(8.7×10^{-15})$

**Ex4:** Evaluate $\frac{3.066×10^{8}}{7.3×10^{3}}$ 4a) Evaluate $\frac{2.3958×10^{3}}{1.98×10^{8}}$

**Ex5:** Gold status: 500 thousand copies. Platinum status: 1 million copies.
a) Express the number of copies in standard form. b) Express the number of copies in scientific notation

c) How many copies of a CD have sold if it has gone platinum 13 times?