Products of Scientific Notation
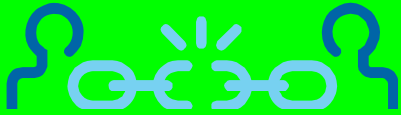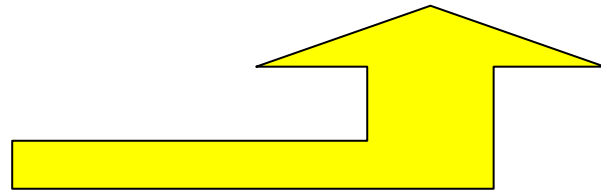
Begin by separating the problem into the separate components.

Constants/Powers

Then solve by completing each side.

Example

$(5.3 \times 10^3)(4.3 \times 10^4)$ Separate the components

$(5.3 \times 4.3)(10^3 \times 10^4)$ Now multiply/add powers

$(22.79)(10^{3+4})$ Write the number properly

$22.79 \times 10^7 = 2.279 \times 10^8 = 2.27900000$

Remember the constant must be between 1 and 10

Meets: Common Core Standard Precursor to Eighth Grade 8.EE.A.4