

Multiplying by Multiples of Negative Powers of Ten (A)

$$\begin{array}{rcl} 30 \times 3 & = & 1,000 \times 12 \\ 300 \times 0.3 & = & 10,000 \times 1.2 \\ 3,000 \times 0.03 & = & 100,000 \times 0.12 \\ 30,000 \times 0.003 & = & 1,000,000 \times 0.012 \end{array} =$$

$$\begin{array}{rcl} 3,000 \times 6 & = & 500 \times 2 \\ 30,000 \times 0.6 & = & 5,000 \times 0.2 \\ 300,000 \times 0.06 & = & 50,000 \times 0.02 \\ 3,000,000 \times 0.006 & = & 500,000 \times 0.002 \end{array} =$$

$$\begin{array}{rcl} 8,000 \times 2 & = & 80 \times 6 \\ 80,000 \times 0.2 & = & 800 \times 0.6 \\ 800,000 \times 0.02 & = & 8,000 \times 0.06 \\ 8,000,000 \times 0.002 & = & 80,000 \times 0.006 \end{array} =$$

$$\begin{array}{rcl} 700 \times 12 & = & 50 \times 11 \\ 7,000 \times 1.2 & = & 500 \times 1.1 \\ 70,000 \times 0.12 & = & 5,000 \times 0.11 \\ 700,000 \times 0.012 & = & 50,000 \times 0.011 \end{array} =$$

$$\begin{array}{rcl} 600 \times 4 & = & 800 \times 9 \\ 6,000 \times 0.4 & = & 8,000 \times 0.9 \\ 60,000 \times 0.04 & = & 80,000 \times 0.09 \\ 600,000 \times 0.004 & = & 800,000 \times 0.009 \end{array} =$$

$$\begin{array}{rcl} 3,000 \times 10 & = & 800 \times 2 \\ 30,000 \times 1 & = & 8,000 \times 0.2 \\ 300,000 \times 0.1 & = & 80,000 \times 0.02 \\ 3,000,000 \times 0.01 & = & 800,000 \times 0.002 \end{array} =$$