

## Multiplying by Negative Powers of Ten

$$\begin{array}{lcl} 8,110 \times 1 & = & 56,300 \times 1 \\ 81,100 \times 0.1 & = & 563,000 \times 0.1 \\ 811,000 \times 0.01 & = & 5,630,000 \times 0.01 \\ 8,110,000 \times 0.001 & = & 56,300,000 \times 0.001 \end{array}$$

$$\begin{array}{lcl} 6,240 \times 1 & = & 454 \times 1 \\ 62,400 \times 0.1 & = & 4,540 \times 0.1 \\ 624,000 \times 0.01 & = & 45,400 \times 0.01 \\ 6,240,000 \times 0.001 & = & 454,000 \times 0.001 \end{array}$$

$$\begin{array}{lcl} 596,000 \times 1 & = & 8,030 \times 1 \\ 5,960,000 \times 0.1 & = & 80,300 \times 0.1 \\ 59,600,000 \times 0.01 & = & 803,000 \times 0.01 \\ 596,000,000 \times 0.001 & = & 8,030,000 \times 0.001 \end{array}$$

$$\begin{array}{lcl} 15,700 \times 1 & = & 183,000 \times 1 \\ 157,000 \times 0.1 & = & 1,830,000 \times 0.1 \\ 1,570,000 \times 0.01 & = & 18,300,000 \times 0.01 \\ 15,700,000 \times 0.001 & = & 183,000,000 \times 0.001 \end{array}$$

$$\begin{array}{lcl} 589,000 \times 1 & = & 926,000 \times 1 \\ 5,890,000 \times 0.1 & = & 9,260,000 \times 0.1 \\ 58,900,000 \times 0.01 & = & 92,600,000 \times 0.01 \\ 589,000,000 \times 0.001 & = & 926,000,000 \times 0.001 \end{array}$$

$$\begin{array}{lcl} 8,950 \times 1 & = & 957,000 \times 1 \\ 89,500 \times 0.1 & = & 9,570,000 \times 0.1 \\ 895,000 \times 0.01 & = & 95,700,000 \times 0.01 \\ 8,950,000 \times 0.001 & = & 957,000,000 \times 0.001 \end{array}$$

## Multiplying by Negative Powers of Ten Answers

$8,110 \times 1$	$=$	$8,110$	$56,300 \times 1$	$=$	$56,300$
$81,100 \times 0.1$	$=$	$8,110$	$563,000 \times 0.1$	$=$	$56,300$
$811,000 \times 0.01$	$=$	$8,110$	$5,630,000 \times 0.01$	$=$	$56,300$
$8,110,000 \times 0.001$	$=$	$8,110$	$56,300,000 \times 0.001$	$=$	$56,300$

$6,240 \times 1$	$=$	$6,240$	$454 \times 1$	$=$	$454$
$62,400 \times 0.1$	$=$	$6,240$	$4,540 \times 0.1$	$=$	$454$
$624,000 \times 0.01$	$=$	$6,240$	$45,400 \times 0.01$	$=$	$454$
$6,240,000 \times 0.001$	$=$	$6,240$	$454,000 \times 0.001$	$=$	$454$

$596,000 \times 1$	$=$	$596,000$	$8,030 \times 1$	$=$	$8,030$
$5,960,000 \times 0.1$	$=$	$596,000$	$80,300 \times 0.1$	$=$	$8,030$
$59,600,000 \times 0.01$	$=$	$596,000$	$803,000 \times 0.01$	$=$	$8,030$
$596,000,000 \times 0.001$	$=$	$596,000$	$8,030,000 \times 0.001$	$=$	$8,030$

$15,700 \times 1$	$=$	$15,700$	$183,000 \times 1$	$=$	$183,000$
$157,000 \times 0.1$	$=$	$15,700$	$1,830,000 \times 0.1$	$=$	$183,000$
$1,570,000 \times 0.01$	$=$	$15,700$	$18,300,000 \times 0.01$	$=$	$183,000$
$15,700,000 \times 0.001$	$=$	$15,700$	$183,000,000 \times 0.001$	$=$	$183,000$

$589,000 \times 1$	$=$	$589,000$	$926,000 \times 1$	$=$	$926,000$
$5,890,000 \times 0.1$	$=$	$589,000$	$9,260,000 \times 0.1$	$=$	$926,000$
$58,900,000 \times 0.01$	$=$	$589,000$	$92,600,000 \times 0.01$	$=$	$926,000$
$589,000,000 \times 0.001$	$=$	$589,000$	$926,000,000 \times 0.001$	$=$	$926,000$

$8,950 \times 1$	$=$	$8,950$	$957,000 \times 1$	$=$	$957,000$
$89,500 \times 0.1$	$=$	$8,950$	$9,570,000 \times 0.1$	$=$	$957,000$
$895,000 \times 0.01$	$=$	$8,950$	$95,700,000 \times 0.01$	$=$	$957,000$
$8,950,000 \times 0.001$	$=$	$8,950$	$957,000,000 \times 0.001$	$=$	$957,000$