Multiplying by Multiples of Negative Powers of Ten (B)

Name:

Date:

Multiply each number by multiples of negative powers of ten.

$8 imes 8 imes 10^0 = 8 imes 8 imes 10^{-1} = 8 imes 8 imes 10^{-2} = 8 imes 8 imes 10^{-3} = 8 imes 8 imes 10^{-4} =$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$2 imes 4 imes 10^{0} = 2 imes 4 imes 10^{-1} = 2 imes 4 imes 10^{-2} = 2 imes 4 imes 10^{-3} = 2 imes 4 imes 10^{-4} = 2$	$5 imes 2 imes 10^{0} = 5 imes 2 imes 10^{-1} = 5 imes 2 imes 10^{-2} = 5 imes 2 imes 10^{-3} = 5 imes 2 imes 10^{-4} = 5$
$egin{aligned} 1 imes 5 imes 10^0 = \ 1 imes 5 imes 10^{-1} = \ 1 imes 5 imes 10^{-2} = \ 1 imes 5 imes 10^{-3} = \ 1 imes 5 imes 10^{-4} = \end{aligned}$	$egin{aligned} 7 imes 6 imes 10^0 = \ 7 imes 6 imes 10^{-1} = \ 7 imes 6 imes 10^{-2} = \ 7 imes 6 imes 10^{-3} = \ 7 imes 6 imes 10^{-4} = \end{aligned}$
$3 imes 9 imes 10^{0} = 3 imes 9 imes 10^{-1} = 3 imes 9 imes 10^{-2} = 3 imes 9 imes 10^{-3} = 3 imes 9 imes 10^{-4} =$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$10 \times 3 \times 10^{0} =$ $10 \times 3 \times 10^{-1} =$ $10 \times 3 \times 10^{-2} =$ $10 \times 3 \times 10^{-3} =$ $10 \times 3 \times 10^{-4} =$	$9 imes 9 imes 10^0 = 9 imes 9 imes 10^{-1} = 9 imes 9 imes 10^{-2} = 9 imes 9 imes 10^{-3} = 9 imes 9 imes 10^{-4} =$

Multiplying by Multiples of Negative Powers of Ten (B) Answers

Name: _____

Date:

Multiply each number by multiples of negative powers of ten.

$8 \times 8 \times 10^{0} = 64$ $8 \times 8 \times 10^{-1} = 6.4$ $8 \times 8 \times 10^{-2} = 0.64$ $8 \times 8 \times 10^{-3} = 0.064$ $8 \times 8 \times 10^{-4} = 0.0064$	$egin{array}{rcl} 4 imes 7 imes 10^0 &=& 28\ 4 imes 7 imes 10^{-1} &=& 2.8\ 4 imes 7 imes 10^{-2} &=& 0.28\ 4 imes 7 imes 10^{-3} &=& 0.028\ 4 imes 7 imes 10^{-4} &=& 0.0028 \end{array}$
$\begin{array}{rl} 2 \times 4 \times 10^{0} = & 8 \\ 2 \times 4 \times 10^{-1} = & 0.8 \\ 2 \times 4 \times 10^{-2} = & 0.08 \\ 2 \times 4 \times 10^{-3} = & 0.008 \\ 2 \times 4 \times 10^{-4} = & 0.0008 \end{array}$	$5 \times 2 \times 10^{0} = 10$ $5 \times 2 \times 10^{-1} = 1$ $5 \times 2 \times 10^{-2} = 0.1$ $5 \times 2 \times 10^{-3} = 0.01$ $5 \times 2 \times 10^{-4} = 0.001$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rcl} 7\times 6\times 10^{0}=& 42\\ 7\times 6\times 10^{-1}=& 4.2\\ 7\times 6\times 10^{-2}=& 0.42\\ 7\times 6\times 10^{-3}=& 0.042\\ 7\times 6\times 10^{-4}=& 0.0042 \end{array}$
$\begin{array}{rcl} 3\times9\times10^{0}=&27\\ 3\times9\times10^{-1}=&2.7\\ 3\times9\times10^{-2}=&0.27\\ 3\times9\times10^{-3}=&0.027\\ 3\times9\times10^{-4}=&0.0027 \end{array}$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$10 \times 3 \times 10^{0} = 30$ $10 \times 3 \times 10^{-1} = 3$ $10 \times 3 \times 10^{-2} = 0.3$ $10 \times 3 \times 10^{-3} = 0.03$ $10 \times 3 \times 10^{-4} = 0.003$	$\begin{array}{rll} 9\times9\times10^{0}=&81\\ 9\times9\times10^{-1}=&8.1\\ 9\times9\times10^{-2}=&0.81\\ 9\times9\times10^{-3}=&0.081\\ 9\times9\times10^{-4}=&0.0081 \end{array}$