## Multiplying by Negative Powers of Ten (J)

Name:

Date:

Multiply each number by negative powers of ten.

$egin{aligned} 40,000  imes 10^0 = \ 40,000  imes 10^{-1} = \ 40,000  imes 10^{-2} = \ 40,000  imes 10^{-3} = \ 40,000  imes 10^{-4} = \end{aligned}$	$egin{aligned} 60,000 imes10^0 =\ 60,000 imes10^{-1} =\ 60,000 imes10^{-2} =\ 60,000 imes10^{-3} =\ 60,000 imes10^{-4} = \end{aligned}$
$egin{aligned} 100,\!000  imes 10^0 &= \ 100,\!000  imes 10^{-1} &= \ 100,\!000  imes 10^{-2} &= \ 100,\!000  imes 10^{-3} &= \ 100,\!000  imes 10^{-4} &= \end{aligned}$	$egin{aligned} 10,\!000  imes 10^0 &= \ 10,\!000  imes 10^{-1} &= \ 10,\!000  imes 10^{-2} &= \ 10,\!000  imes 10^{-3} &= \ 10,\!000  imes 10^{-4} &= \end{aligned}$
$egin{array}{llllllllllllllllllllllllllllllllllll$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 20,000  imes 10^0 = \ 20,000  imes 10^{-1} = \ 20,000  imes 10^{-2} = \ 20,000  imes 10^{-3} = \ 20,000  imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 80,\!000  imes 10^0 &= \ 80,\!000  imes 10^{-1} &= \ 80,\!000  imes 10^{-2} &= \ 80,\!000  imes 10^{-3} &= \ 80,\!000  imes 10^{-4} &= \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$

## Multiplying by Negative Powers of Ten (J) Answers

Name:

Date: \_\_\_\_\_

Multiply each number by negative powers of ten.

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$100,000  imes 10^0 = 100,000$	$10,000  imes 10^0 = \ 10,000$
$100,000  imes 10^{-1} = 10,000$	$10,000  imes 10^{-1} = 1000$
$100,000  imes 10^{-2} = 1000$	$10,000  imes 10^{-2} = 100$
$100,000  imes 10^{-3} = 100$	$10,000  imes 10^{-3} = 10$
$100,000  imes 10^{-4} = 10$	$10,000  imes 10^{-4} = 1$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rcl} 30,000\times10^{0}=&30,000\\ 30,000\times10^{-1}=&3000\\ 30,000\times10^{-2}=&300\\ 30,000\times10^{-3}=&30\\ 30,000\times10^{-4}=&3\\ \end{array}$
$egin{array}{rll} 20,000 imes10^{-3}=&20\ 20,000 imes10^{-4}=&2 \end{array}$	$egin{array}{rll} 90,000 imes10^{-3}=&90\ 90,000 imes10^{-4}=&9 \end{array}$
$\begin{array}{rcl} 20,000 \times 10^{-1} &=& 2 \\ \\ 80,000 \times 10^{-1} &=& 80,000 \\ 80,000 \times 10^{-1} &=& 8000 \\ 80,000 \times 10^{-2} &=& 800 \\ 80,000 \times 10^{-3} &=& 80 \\ 80,000 \times 10^{-4} &=& 8 \end{array}$	$\begin{array}{rcl} 50,000 \times 10^{-1} &=& 9\\ \hline & 70,000 \times 10^{0} &=& 70,000\\ 70,000 \times 10^{-1} &=& 7000\\ 70,000 \times 10^{-2} &=& 700\\ 70,000 \times 10^{-3} &=& 70\\ 70,000 \times 10^{-4} &=& 7\end{array}$