Multiplying by Negative Powers of Ten (A)

Name:

Date:

$egin{aligned} 80,000 imes 10^0 = \ 80,000 imes 10^{-1} = \ 80,000 imes 10^{-2} = \ 80,000 imes 10^{-3} = \ 80,000 imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 40,000 imes 10^0 = \ 40,000 imes 10^{-1} = \ 40,000 imes 10^{-2} = \ 40,000 imes 10^{-3} = \ 40,000 imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$50,000 imes 10^0 = 50,000 imes 10^{-1} = 50,000 imes 10^{-2} = 50,000 imes 10^{-3} = 50,000 imes 10^{-4} =$	$90,000 imes 10^0 = 90,000 imes 10^{-1} = 90,000 imes 10^{-2} = 90,000 imes 10^{-3} = 90,000 imes 10^{-4} =$
$egin{aligned} 60,000 imes 10^0 &= \ 60,000 imes 10^{-1} &= \ 60,000 imes 10^{-2} &= \ 60,000 imes 10^{-3} &= \ 60,000 imes 10^{-4} &= \end{aligned}$	$egin{aligned} 20,000 imes10^0 =\ 20,000 imes10^{-1} =\ 20,000 imes10^{-2} =\ 20,000 imes10^{-3} =\ 20,000 imes10^{-4} = \end{aligned}$
$egin{aligned} 10,\!000 imes 10^0 &= \ 10,\!000 imes 10^{-1} &= \ 10,\!000 imes 10^{-2} &= \ 10,\!000 imes 10^{-3} &= \ 10,\!000 imes 10^{-4} &= \end{aligned}$	$egin{aligned} 100,\!000 imes 10^0 &= \ 100,\!000 imes 10^{-1} &= \ 100,\!000 imes 10^{-2} &= \ 100,\!000 imes 10^{-3} &= \ 100,\!000 imes 10^{-4} &= \end{aligned}$

Multiplying by Negative Powers of Ten (A) Answers

Name:

Date:

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$

Multiplying by Negative Powers of Ten (B)

Name:

Date:

$egin{array}{llllllllllllllllllllllllllllllllllll$	$egin{aligned} 20,000 imes10^0 =\ 20,000 imes10^{-1} =\ 20,000 imes10^{-2} =\ 20,000 imes10^{-3} =\ 20,000 imes10^{-4} = \end{aligned}$
$90,000 imes 10^0 = 90,000 imes 10^{-1} = 90,000 imes 10^{-2} = 90,000 imes 10^{-3} = 90,000 imes 10^{-4} =$	$egin{aligned} 60,000 imes10^0 =\ 60,000 imes10^{-1} =\ 60,000 imes10^{-2} =\ 60,000 imes10^{-3} =\ 60,000 imes10^{-4} = \end{aligned}$
$egin{aligned} 100,000 imes 10^0 &= \ 100,000 imes 10^{-1} &= \ 100,000 imes 10^{-2} &= \ 100,000 imes 10^{-3} &= \ 100,000 imes 10^{-4} &= \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 40,000 imes 10^0 = \ 40,000 imes 10^{-1} = \ 40,000 imes 10^{-2} = \ 40,000 imes 10^{-3} = \ 40,000 imes 10^{-4} = \end{aligned}$	$egin{aligned} 80,000 imes10^0&=\ 80,000 imes10^{-1}&=\ 80,000 imes10^{-2}&=\ 80,000 imes10^{-3}&=\ 80,000 imes10^{-4}&=\ \end{aligned}$
$egin{array}{llllllllllllllllllllllllllllllllllll$	$egin{array}{llllllllllllllllllllllllllllllllllll$

Multiplying by Negative Powers of Ten (B) Answers

Name:

Date: _____

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$90,000 \times 10^0 = 90,000$	$60,000 \times 10^0 = 60,000$
$90,000 \times 10^{-1} = 9000$	$60,000 \times 10^{-1} = 6000$
$90,000 \times 10^{-2} = 900$	$60,000 \times 10^{-2} = 600$
$90,000 \times 10^{-3} = 90$	$60,000 imes 10^{-3} = 60$
$90,000 imes 10^{-4} = 9$	$60,000 imes 10^{-4} = 6$
$100,000 imes 10^0 = 100,000$	$30,000 imes 10^0 = \ 30,000$
$100,000 imes 10^{-1} = 10,000$	$30,000 imes 10^{-1} = \ 3000$
$100,000 imes 10^{-2} = 1000$	$30,000 imes 10^{-2} = 300$
$100,000 imes 10^{-3} = 100$	$30,000 imes 10^{-3} = 30$
$100,000 \times 10^{-4} = 10$	$30,000 \times 10^{-4} = 3$
$40,\!000\times 10^0 = \ 40,\!000$	$80,000 imes 10^0 = \ 80,000$
$40,000 imes 10^{-1} = \ 4000$	$80,000 imes 10^{-1} = \ 8000$
$40,000 imes 10^{-2} = 400$	$80,000 imes 10^{-2} = \ 800$
$40,000 imes 10^{-3} = 40$	$80,000 imes 10^{-3} = \ 80$
$40{,}000\times10^{-4}=~4$	$80,000 imes 10^{-4} = 8$
$70,\!000\times 10^0 = \ 70,\!000$	$10,000 imes 10^0 = \ 10,000$
$70,000 imes 10^{-1} = \ 7000$	$10,000 imes 10^{-1} = \ 1000$
$70,000 imes 10^{-2} = \ 700$	$10,000 imes 10^{-2} = 100$
$70,000 imes 10^{-3} = 70$	$10,000 imes 10^{-3}=$ 10
$70,000 imes 10^{-4} = 7$	$10,000 imes 10^{-4} = 1$

Multiplying by Negative Powers of Ten (C)

Name:

Date:

$egin{aligned} 70,000 imes 10^0 = \ 70,000 imes 10^{-1} = \ 70,000 imes 10^{-2} = \ 70,000 imes 10^{-3} = \ 70,000 imes 10^{-4} = \end{aligned}$	$egin{aligned} 60,000 imes 10^0 = \ 60,000 imes 10^{-1} = \ 60,000 imes 10^{-2} = \ 60,000 imes 10^{-3} = \ 60,000 imes 10^{-4} = \end{aligned}$
$80,000 imes 10^0 =$	$90,000 imes 10^0 =$
$80,000 imes 10^{-1} =$	$90,000 imes 10^{-1} =$
$80,000 imes 10^{-2} =$	$90,000 imes 10^{-2} =$
$80,000 imes 10^{-3} =$	$90,\!000 imes 10^{-3} =$
$80,000 imes 10^{-4} =$	$90,000 imes 10^{-4} =$
$30,000 imes 10^0 =$	$50,000 imes 10^0 =$
$30,000 imes 10^{-1} =$	$50,000 imes 10^{-1} =$
$30,000 imes 10^{-2} =$	$50,000 imes 10^{-2} =$
$30,000 imes 10^{-3} =$	$50,000 imes 10^{-3} =$
$30,000 imes 10^{-4} =$	$50,\!000 imes 10^{-4} =$
$100,\!000 imes 10^0 =$	$20,000 imes 10^0 =$
$100,000 imes 10^{-1} =$	$20,\!000 imes 10^{-1} =$
$100,000 imes 10^{-2} =$	$20,\!000 imes 10^{-2} =$
$100,000 imes 10^{-3} =$	$20,\!000 imes 10^{-3} =$
$100,000 imes 10^{-4} =$	$20,\!000 imes 10^{-4} =$
$egin{aligned} 40,\!000 imes 10^0 &= \ 40,\!000 imes 10^{-1} &= \ 40,\!000 imes 10^{-2} &= \ 40,\!000 imes 10^{-3} &= \ 40,\!000 imes 10^{-4} &= \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$

Multiplying by Negative Powers of Ten (C) Answers

Name:

Date: _____

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rcl} 60,000\times 10^{0}=& 60,000\\ 60,000\times 10^{-1}=& 6000\\ 60,000\times 10^{-2}=& 600\\ 60,000\times 10^{-3}=& 60\\ 60,000\times 10^{-4}=& 6\end{array}$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$

Multiplying by Negative Powers of Ten (D)

Name:

Date:

$egin{aligned} 40,000 imes 10^0 = \ 40,000 imes 10^{-1} = \ 40,000 imes 10^{-2} = \ 40,000 imes 10^{-3} = \ 40,000 imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 70,000 imes 10^0 = \ 70,000 imes 10^{-1} = \ 70,000 imes 10^{-2} = \ 70,000 imes 10^{-3} = \ 70,000 imes 10^{-4} = \end{aligned}$	$egin{aligned} 20,000 imes10^0 =\ 20,000 imes10^{-1} =\ 20,000 imes10^{-2} =\ 20,000 imes10^{-3} =\ 20,000 imes10^{-4} = \end{aligned}$
$egin{array}{llllllllllllllllllllllllllllllllllll$	$egin{aligned} 80,000 imes10^0 =\ 80,000 imes10^{-1} =\ 80,000 imes10^{-2} =\ 80,000 imes10^{-3} =\ 80,000 imes10^{-4} = \end{aligned}$
$egin{aligned} 100,000 imes 10^0 = \ 100,000 imes 10^{-1} = \ 100,000 imes 10^{-2} = \ 100,000 imes 10^{-3} = \ 100,000 imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 10,000 imes 10^0 &= \ 10,000 imes 10^{-1} &= \ 10,000 imes 10^{-2} &= \ 10,000 imes 10^{-3} &= \ 10,000 imes 10^{-4} &= \end{aligned}$	$90,000 imes 10^0 = 90,000 imes 10^{-1} = 90,000 imes 10^{-2} = 90,000 imes 10^{-3} = 90,000 imes 10^{-4} =$

Multiplying by Negative Powers of Ten (D) Answers

Name:

Date: _____

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rcl} 60,000\times 10^{0}=& 60,000\\ 60,000\times 10^{-1}=& 6000\\ 60,000\times 10^{-2}=& 600\\ 60,000\times 10^{-3}=& 60\\ 60,000\times 10^{-4}=& 6\end{array}$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rcl} 20,000\times10^{0}=&20,000\\ 20,000\times10^{-1}=&2000\\ 20,000\times10^{-2}=&200\\ 20,000\times10^{-3}=&20\\ 20,000\times10^{-4}=&2 \end{array}$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$

Multiplying by Negative Powers of Ten (E)

Name:

Date:

$90,000 imes 10^{0} = 90,000 imes 10^{-1} = 90,000 imes 10^{-2} = 90,000 imes 10^{-3} = 90,000 imes 10^{-4} =$	$egin{aligned} 80,000 imes10^0 =\ 80,000 imes10^{-1} =\ 80,000 imes10^{-2} =\ 80,000 imes10^{-3} =\ 80,000 imes10^{-4} = \end{aligned}$
$egin{aligned} 70,000 imes 10^0 = \ 70,000 imes 10^{-1} = \ 70,000 imes 10^{-2} = \ 70,000 imes 10^{-3} = \ 70,000 imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 100,000 imes 10^0 = \ 100,000 imes 10^{-1} = \ 100,000 imes 10^{-2} = \ 100,000 imes 10^{-3} = \ 100,000 imes 10^{-4} = \end{aligned}$	$egin{aligned} 60,000 imes10^0 =\ 60,000 imes10^{-1} =\ 60,000 imes10^{-2} =\ 60,000 imes10^{-3} =\ 60,000 imes10^{-4} = \end{aligned}$
$egin{aligned} 40,000 imes10^0 =\ 40,000 imes10^{-1} =\ 40,000 imes10^{-2} =\ 40,000 imes10^{-3} =\ 40,000 imes10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 10,000 imes 10^0 &= \ 10,000 imes 10^{-1} &= \ 10,000 imes 10^{-2} &= \ 10,000 imes 10^{-3} &= \ 10,000 imes 10^{-4} &= \end{aligned}$	$egin{aligned} 20,000 imes 10^0 = \ 20,000 imes 10^{-1} = \ 20,000 imes 10^{-2} = \ 20,000 imes 10^{-3} = \ 20,000 imes 10^{-4} = \end{aligned}$

Multiplying by Negative Powers of Ten (E) Answers

Name:

Date: _____

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$

Multiplying by Negative Powers of Ten (F)

Name:

Date:

$egin{array}{llllllllllllllllllllllllllllllllllll$	$egin{aligned} 10,\!000 imes 10^0 &= \ 10,\!000 imes 10^{-1} &= \ 10,\!000 imes 10^{-2} &= \ 10,\!000 imes 10^{-3} &= \ 10,\!000 imes 10^{-4} &= \end{aligned}$
$egin{array}{llllllllllllllllllllllllllllllllllll$	$90,000 imes 10^0 = 90,000 imes 10^{-1} = 90,000 imes 10^{-2} = 90,000 imes 10^{-3} = 90,000 imes 10^{-4} =$
$egin{aligned} 70,000 imes 10^0 = \ 70,000 imes 10^{-1} = \ 70,000 imes 10^{-2} = \ 70,000 imes 10^{-3} = \ 70,000 imes 10^{-4} = \end{aligned}$	$egin{aligned} 80,\!000 imes 10^0 = \ 80,\!000 imes 10^{-1} = \ 80,\!000 imes 10^{-2} = \ 80,\!000 imes 10^{-3} = \ 80,\!000 imes 10^{-4} = \end{aligned}$
$100,000 \times 10^{0} =$ $100,000 \times 10^{-1} =$ $100,000 \times 10^{-2} =$ $100,000 \times 10^{-3} =$ $100,000 \times 10^{-4} =$	$egin{aligned} 20,000 imes 10^0 = \ 20,000 imes 10^{-1} = \ 20,000 imes 10^{-2} = \ 20,000 imes 10^{-3} = \ 20,000 imes 10^{-4} = \end{aligned}$
$egin{aligned} 40,000 imes 10^0 = \ 40,000 imes 10^{-1} = \ 40,000 imes 10^{-2} = \ 40,000 imes 10^{-3} = \ 40,000 imes 10^{-4} = \end{aligned}$	$egin{aligned} 60,000 imes10^0 =\ 60,000 imes10^{-1} =\ 60,000 imes10^{-2} =\ 60,000 imes10^{-3} =\ 60,000 imes10^{-4} = \end{aligned}$

Multiplying by Negative Powers of Ten (F) Answers

Name:

Date: _____

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rcl} 80,000\times 10^0 = & 80,000\\ 80,000\times 10^{-1} = & 8000\\ 80,000\times 10^{-2} = & 800\\ 80,000\times 10^{-3} = & 80\\ 80,000\times 10^{-4} = & 8\end{array}$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rcl} 20,000\times10^{0}=&20,000\\ 20,000\times10^{-1}=&2000\\ 20,000\times10^{-2}=&200\\ 20,000\times10^{-3}=&20\\ 20,000\times10^{-4}=&2 \end{array}$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rcl} 60,000\times 10^{0}=& 60,000\\ 60,000\times 10^{-1}=& 6000\\ 60,000\times 10^{-2}=& 600\\ 60,000\times 10^{-3}=& 60\\ 60,000\times 10^{-4}=& 6\end{array}$

Multiplying by Negative Powers of Ten (G)

Name:

Date:

$50,000 imes 10^0 = 50,000 imes 10^{-1} = 50,000 imes 10^{-2} = 50,000 imes 10^{-3} = 50,000 imes 10^{-4} =$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 10,000 imes 10^0 = \ 10,000 imes 10^{-1} = \ 10,000 imes 10^{-2} = \ 10,000 imes 10^{-3} = \ 10,000 imes 10^{-4} = \end{aligned}$	$egin{aligned} 100,\!000 imes 10^0 &= \ 100,\!000 imes 10^{-1} &= \ 100,\!000 imes 10^{-2} &= \ 100,\!000 imes 10^{-3} &= \ 100,\!000 imes 10^{-4} &= \end{aligned}$
$egin{aligned} 40,000 imes 10^0 = \ 40,000 imes 10^{-1} = \ 40,000 imes 10^{-2} = \ 40,000 imes 10^{-3} = \ 40,000 imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 20,000 imes 10^0 = \ 20,000 imes 10^{-1} = \ 20,000 imes 10^{-2} = \ 20,000 imes 10^{-3} = \ 20,000 imes 10^{-4} = \end{aligned}$	$egin{aligned} 80,\!000 imes 10^0 &= \ 80,\!000 imes 10^{-1} &= \ 80,\!000 imes 10^{-2} &= \ 80,\!000 imes 10^{-3} &= \ 80,\!000 imes 10^{-4} &= \end{aligned}$
$90,000 imes 10^0 = 90,000 imes 10^{-1} = 90,000 imes 10^{-2} = 90,000 imes 10^{-3} = 90,000 imes 10^{-4} =$	$egin{array}{llllllllllllllllllllllllllllllllllll$

Multiplying by Negative Powers of Ten (G) Answers

Name:

Date:

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrr} 10,000\times 10^0 = & 10,000 \\ 10,000\times 10^{-1} = & 1000 \\ 10,000\times 10^{-2} = & 100 \end{array}$	$\begin{array}{rrrr} 100,\!000\times10^0 = & 100,\!000\\ 100,\!000\times10^{-1} = & 10,\!000\\ 100,\!000\times10^{-2} = & 1000 \end{array}$
$10,000 \times 10^{-3} = 10$ $10,000 \times 10^{-4} = 1$	$100,000 \times 10^{-3} = 100$ $100,000 \times 10^{-4} = 10$ $70,000 \times 10^{0} = 70,000$
$egin{array}{rll} 40,000 imes 10^0 &=& 40,000 \ 40,000 imes 10^{-1} &=& 4000 \ 40,000 imes 10^{-2} &=& 400 \ 40,000 imes 10^{-3} &=& 40 \ 40,000 imes 10^{-4} &=& 4 \end{array}$	$egin{array}{rll} 70,000 imes10^0&=&70,000\ 70,000 imes10^{-1}&=&7000\ 70,000 imes10^{-2}&=&700\ 70,000 imes10^{-3}&=&70\ 70,000 imes10^{-4}&=&7 \end{array}$
$\begin{array}{rcl} 20,000 \times 10^{0} = & 20,000 \\ 20,000 \times 10^{-1} = & 2000 \\ 20,000 \times 10^{-2} = & 200 \\ 20,000 \times 10^{-3} = & 20 \end{array}$	$\begin{array}{rcl} 80,000 \times 10^{-1} &=& 80,000 \\ 80,000 \times 10^{-1} &=& 8000 \\ 80,000 \times 10^{-2} &=& 800 \\ 80,000 \times 10^{-3} &=& 80 \end{array}$
$\begin{array}{rcl} 20,000\times 10^{-4}=&2\\ 90,000\times 10^{0}=&90,000\\ 90,000\times 10^{-1}=&9000\\ 90,000\times 10^{-2}=&900\\ 90,000\times 10^{-3}=&90\\ 90,000\times 10^{-4}=&9 \end{array}$	$\begin{array}{rcl} 80,000\times 10^{-4}=&8\\ &30,000\times 10^{0}=&30,000\\ 30,000\times 10^{-1}=&3000\\ 30,000\times 10^{-2}=&300\\ 30,000\times 10^{-3}=&30\\ 30,000\times 10^{-4}=&3 \end{array}$

Multiplying by Negative Powers of Ten (H)

Name:

Date:

$egin{aligned} 100,\!000 imes 10^0 &= \ 100,\!000 imes 10^{-1} &= \ 100,\!000 imes 10^{-2} &= \ 100,\!000 imes 10^{-3} &= \ 100,\!000 imes 10^{-4} &= \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{aligned} 10,\!000 imes 10^0 &= \ 10,\!000 imes 10^{-1} &= \ 10,\!000 imes 10^{-2} &= \ 10,\!000 imes 10^{-3} &= \ 10,\!000 imes 10^{-4} &= \end{aligned}$	$egin{aligned} 80,000 imes10^0&=\ 80,000 imes10^{-1}&=\ 80,000 imes10^{-2}&=\ 80,000 imes10^{-3}&=\ 80,000 imes10^{-4}&=\ \end{aligned}$
$egin{aligned} 70,000 imes 10^0 = \ 70,000 imes 10^{-1} = \ 70,000 imes 10^{-2} = \ 70,000 imes 10^{-3} = \ 70,000 imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$20,000 imes 10^0 = 20,000 imes 10^{-1} = 20,000 imes 10^{-2} = 20,000 imes 10^{-3} = 20,000 imes 10^{-4} =$	$egin{aligned} 60,000 imes10^0&=\ 60,000 imes10^{-1}&=\ 60,000 imes10^{-2}&=\ 60,000 imes10^{-3}&=\ 60,000 imes10^{-4}&= \end{aligned}$
$40,000 \times 10^{0} =$ $40,000 \times 10^{-1} =$ $40,000 \times 10^{-2} =$ $40,000 \times 10^{-3} =$ $40,000 \times 10^{-4} =$	$50,000 imes 10^0 = 50,000 imes 10^{-1} = 50,000 imes 10^{-2} = 50,000 imes 10^{-3} = 50,000 imes 10^{-4} =$

Multiplying by Negative Powers of Ten (H) Answers

Name:

Date: _____

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rl} 80,000\times 10^{0}=& 80,000\\ 80,000\times 10^{-1}=& 8000\\ 80,000\times 10^{-2}=& 800\\ 80,000\times 10^{-3}=& 80\\ 80,000\times 10^{-4}=& 8\end{array}$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$

Multiplying by Negative Powers of Ten (I)

Name:

Date:

$egin{aligned} 70,000 imes 10^0 = \ 70,000 imes 10^{-1} = \ 70,000 imes 10^{-2} = \ 70,000 imes 10^{-3} = \ 70,000 imes 10^{-4} = \end{aligned}$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$egin{array}{llllllllllllllllllllllllllllllllllll$	$egin{array}{llllllllllllllllllllllllllllllllllll$
$20,000 \times 10^{-2} =$	$100,000 \times 10^{-2} =$
$20,000 \times 10^{-3} =$	$100,000 \times 10^{-3} =$
$20,000 \times 10^{-4} =$	$100,000 imes 10^{-4} =$
$90,000 imes 10^0 =$	$10,\!000 imes 10^0 =$
$90,\!000 imes 10^{-1} =$	$10,\!000 imes 10^{-1} =$
$90,\!000 imes 10^{-2} =$	$10,000 imes 10^{-2} =$
$90,\!000 imes 10^{-3} =$	$10,\!000 imes 10^{-3} =$
$90,000 imes 10^{-4} =$	$10,000 imes 10^{-4} =$
$80,000 imes 10^0 =$	$40,\!000 imes 10^0 =$
$80,\!000 imes 10^{-1} =$	$40,000 imes 10^{-1} =$
$80,000 imes 10^{-2} =$	$40,000 imes 10^{-2} =$
$80,000 imes 10^{-3} =$	$40,000 imes 10^{-3} =$
$80,000 imes 10^{-4} =$	$40,000 imes 10^{-4} =$
$60,000 imes 10^0 =$	$30,000 imes 10^0 =$
$60,000 imes 10^{-1} =$	$30,000 imes 10^{-1} =$
$60,000 imes 10^{-2} =$	$30,000 imes 10^{-2} =$
$60,000 imes 10^{-3} =$	$30,000 imes 10^{-3} =$
$60,000 imes 10^{-4} =$	$30,000 imes 10^{-4} =$

Multiplying by Negative Powers of Ten (I) Answers

Name:

Date: _____

$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$20,000 \times 10^{0} = 20,000$	$100,000 \times 10^{0} = 100,000$
$20,000 imes 10^{-1} = 2000$	$100,000 imes 10^{-1} = 10,000$
$20,000 imes 10^{-2} = 200$	$100,000 imes 10^{-2} = 1000$
$20,000 imes 10^{-3} = 20$	$100,000 imes 10^{-3} = 100$
$20,000 imes 10^{-4}=$ 2	$100,000 imes 10^{-4} = \ 10$
$\begin{array}{rcl} 90,000\times10^{0}=&90,000\\ 90,000\times10^{-1}=&9000\\ 90,000\times10^{-2}=&900\\ 90,000\times10^{-3}=&90\\ 90,000\times10^{-4}=&9\\ & 80,000\times10^{-4}=&9\\ & 80,000\times10^{-1}=&8000\\ & 80,000\times10^{-2}=&800\\ & 80,000\times10^{-3}=&80\\ & 80,000\times10^{-4}=&8\\ \end{array}$	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$
$\begin{array}{rcl} 60,000\times10^{\circ} &=& 6\\ 60,000\times10^{\circ} &=& 60,000\\ 60,000\times10^{-1} &=& 6000\\ 60,000\times10^{-2} &=& 600\\ 60,000\times10^{-3} &=& 60\\ 60,000\times10^{-4} &=& 6\end{array}$	$\begin{array}{rcl} 30,000 \times 10^{\circ} &=& 4 \\ 30,000 \times 10^{\circ} &=& 30,000 \\ 30,000 \times 10^{-1} &=& 3000 \\ 30,000 \times 10^{-2} &=& 300 \\ 30,000 \times 10^{-3} &=& 30 \\ 30,000 \times 10^{-4} &=& 3 \end{array}$

Multiplying by Negative Powers of Ten (J)

Name:

Date:

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

Multiplying by Negative Powers of Ten (J) Answers

Name:

Date: _____

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