## Multiplying by Multiples of Positive Powers of Ten (B)

Name:

Date:

Multiply each number by multiples of positive powers of ten.

$3 imes 4 imes 10^0 =$	$2 imes 2 imes 10^0 =$
$3 imes 4 imes 10^1 =$	$2  imes 2  imes 10^1 =$
$3 imes 4 imes 10^2 =$	$2 \times 2 \times 10^2 =$
$3  imes 4  imes 10^3 =$	$2 \times 2 \times 10^3 =$
$3  imes 4  imes 10^4 =$	$2 \times 2 \times 10^4 =$
$7 imes 7 imes 10^0 =$	$8 imes 4 imes 10^0 =$
$7 imes 7 imes 10^1 =$	$8 imes 4 imes 10^1 =$
$7 imes 7 imes 10^2 =$	$8 imes 4 imes 10^2 =$
$7 imes 7 imes 10^3 =$	$8 imes 4 imes 10^3 =$
$7 imes 7 imes 10^4 =$	$8 imes 4 imes 10^4 =$
$1  imes 6  imes 10^0 =$	$4 imes 6 imes 10^0 =$
$1  imes 6  imes 10^1 =$	$4 imes 6 imes 10^1 =$
$1  imes 6  imes 10^2 =$	$4 imes 6 imes 10^2 =$
$1  imes 6  imes 10^3 =$	$4 imes 6 imes 10^3 =$
$1  imes 6  imes 10^4 =$	$4 imes 6 imes 10^4 =$
	2
$5  imes 8  imes 10^0 =$	$9 \times 2 \times 10^0 =$
$5 imes 8 imes 10^1 =$	$9  imes 2  imes 10^1 =$
$5 imes 8 imes 10^2 =$	$9  imes 2  imes 10^2 =$
$5 imes 8 imes 10^3 =$	$9  imes 2  imes 10^3 =$
$5 imes 8 imes 10^4 =$	$9 imes 2 imes 10^4 =$
10 ( 10)	
$10 \times 6 \times 10^0 =$	$6 \times 8 \times 10^0 =$
$10 \times 6 \times 10^1 =$	$6 \times 8 \times 10^1 =$
$10 \times 6 \times 10^2 =$	$6 \times 8 \times 10^2 =$
$10 \times 6 \times 10^3 =$	$6 \times 8 \times 10^3 =$
$10  imes 6  imes 10^4 =$	$6  imes 8  imes 10^4 =$

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

Name: \_\_\_\_\_

Date:

Multiply each number by multiples of positive powers of ten.

$3 \times 4 \times 10^{0} = 12$	$2 \times 2 \times 10^{0} = 4$
$3 \times 4 \times 10^{1} = 120$	$2 \times 2 \times 10^{1} = 40$
$3 \times 4 \times 10^{2} = 1200$	$2 \times 2 \times 10^{2} = 400$
$3 \times 4 \times 10^{3} = 12,000$	$2 \times 2 \times 10^{3} = 4000$
$2 \times 4 \times 10^{4} = 120,000$	$2 \times 2 \times 10^{4} = 40,000$
$3 \times 4 \times 10^4 = 120,000$ $7 \times 7 \times 10^0 = 49$ $7 \times 7 \times 10^1 = 490$ $7 \times 7 \times 10^2 = 4900$ $7 \times 7 \times 10^3 = 49,000$	$2 \times 2 \times 10^{4} = 40,000$ $8 \times 4 \times 10^{0} = 32$ $8 \times 4 \times 10^{1} = 320$ $8 \times 4 \times 10^{2} = 3200$ $8 \times 4 \times 10^{3} = 32,000$
$7 \times 7 \times 10^4 = 490,000$	$8 \times 4 \times 10^4 = 320,000$
$1 \times 6 \times 10^0 = 6$	$4 \times 6 \times 10^0 = 24$
$1 \times 6 \times 10^1 = 60$	$4 \times 6 \times 10^1 = 240$
$1 \times 6 \times 10^2 = 600$	$4 \times 6 \times 10^2 = 2400$
$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$	$egin{array}{rcl} 4 imes 6 imes 10^3 &=& 24,000\ 4 imes 6 imes 10^4 &=& 240,000\ 9 imes 2 imes 10^0 &=& 18\ 9 imes 2 imes 10^1 &=& 180 \end{array}$
$5 \times 8 \times 10^{2} = 4000$	$9 \times 2 \times 10^2 = 1800$
$5 \times 8 \times 10^{3} = 40,000$	$9 \times 2 \times 10^3 = 18,000$
$5 \times 8 \times 10^{4} = 400,000$	$9 \times 2 \times 10^4 = 180,000$
$10 \times 6 \times 10^{0} = 60$	$6 \times 8 \times 10^0 = 48$
$10 \times 6 \times 10^{1} = 600$	$6 \times 8 \times 10^{1} = 480$
$10 \times 6 \times 10^{1} = 600$	$6 \times 8 \times 10^{2} = 4800$
$10 \times 6 \times 10^{2} = 6000$	$6 \times 8 \times 10^{2} = 48,000$
$10 \times 6 \times 10^{3} = 60,000$	$6 \times 8 \times 10^{3} = 48,000$
$10 \times 6 \times 10^{4} = 600,000$	$6 \times 8 \times 10^{4} = 480,000$