

Multiplying by Multiples of Negative Powers of Ten

$$\begin{array}{l} 30 \times 3 = \\ 300 \times 0.3 = \\ 3,000 \times 0.03 = \\ 30,000 \times 0.003 = \end{array} \quad \begin{array}{l} 1,000 \times 12 = \\ 10,000 \times 1.2 = \\ 100,000 \times 0.12 = \\ 1,000,000 \times 0.012 = \end{array}$$

$$\begin{array}{l} 3,000 \times 6 = \\ 30,000 \times 0.6 = \\ 300,000 \times 0.06 = \\ 3,000,000 \times 0.006 = \end{array} \quad \begin{array}{l} 500 \times 2 = \\ 5,000 \times 0.2 = \\ 50,000 \times 0.02 = \\ 500,000 \times 0.002 = \end{array}$$

$$\begin{array}{l} 8,000 \times 2 = \\ 80,000 \times 0.2 = \\ 800,000 \times 0.02 = \\ 8,000,000 \times 0.002 = \end{array} \quad \begin{array}{l} 80 \times 6 = \\ 800 \times 0.6 = \\ 8,000 \times 0.06 = \\ 80,000 \times 0.006 = \end{array}$$

$$\begin{array}{l} 700 \times 12 = \\ 7,000 \times 1.2 = \\ 70,000 \times 0.12 = \\ 700,000 \times 0.012 = \end{array} \quad \begin{array}{l} 50 \times 11 = \\ 500 \times 1.1 = \\ 5,000 \times 0.11 = \\ 50,000 \times 0.011 = \end{array}$$

$$\begin{array}{l} 600 \times 4 = \\ 6,000 \times 0.4 = \\ 60,000 \times 0.04 = \\ 600,000 \times 0.004 = \end{array} \quad \begin{array}{l} 800 \times 9 = \\ 8,000 \times 0.9 = \\ 80,000 \times 0.09 = \\ 800,000 \times 0.009 = \end{array}$$

$$\begin{array}{l} 3,000 \times 10 = \\ 30,000 \times 1 = \\ 300,000 \times 0.1 = \\ 3,000,000 \times 0.01 = \end{array} \quad \begin{array}{l} 800 \times 2 = \\ 8,000 \times 0.2 = \\ 80,000 \times 0.02 = \\ 800,000 \times 0.002 = \end{array}$$

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Answers

30×3	=	90	$1,000 \times 12$	=	12,000
300×0.3	=	90	$10,000 \times 1.2$	=	12,000
$3,000 \times 0.03$	=	90	$100,000 \times 0.12$	=	12,000
$30,000 \times 0.003$	=	90	$1,000,000 \times 0.012$	=	12,000
$3,000 \times 6$	=	18,000	500×2	=	1,000
$30,000 \times 0.6$	=	18,000	$5,000 \times 0.2$	=	1,000
$300,000 \times 0.06$	=	18,000	$50,000 \times 0.02$	=	1,000
$3,000,000 \times 0.006$	=	18,000	$500,000 \times 0.002$	=	1,000
$8,000 \times 2$	=	16,000	80×6	=	480
$80,000 \times 0.2$	=	16,000	800×0.6	=	480
$800,000 \times 0.02$	=	16,000	$8,000 \times 0.06$	=	480
$8,000,000 \times 0.002$	=	16,000	$80,000 \times 0.006$	=	480
700×12	=	8,400	50×11	=	550
$7,000 \times 1.2$	=	8,400	500×1.1	=	550
$70,000 \times 0.12$	=	8,400	$5,000 \times 0.11$	=	550
$700,000 \times 0.012$	=	8,400	$50,000 \times 0.011$	=	550
600×4	=	2,400	800×9	=	7,200
$6,000 \times 0.4$	=	2,400	$8,000 \times 0.9$	=	7,200
$60,000 \times 0.04$	=	2,400	$80,000 \times 0.09$	=	7,200
$600,000 \times 0.004$	=	2,400	$800,000 \times 0.009$	=	7,200
$3,000 \times 10$	=	30,000	800×2	=	1,600
$30,000 \times 1$	=	30,000	$8,000 \times 0.2$	=	1,600
$300,000 \times 0.1$	=	30,000	$80,000 \times 0.02$	=	1,600
$3,000,000 \times 0.01$	=	30,000	$800,000 \times 0.002$	=	1,600