Multiplying by Multiples of Negative Powers of Ten

30 x	3	=	1,000 x	12	=
300 x	0.3	=	10,000 x	1.2	=
3,000 x	0.03	=	100,000 x	0.12	=
30,000 x	0.003	=	1,000,000 x	0.012	=
3,000 x	6	=	500 x		=
30,000 x	0.6	=	5,000 x	0.2	=
300,000 x	0.06	=	50,000 x		
3,000,000 x	0.006	=	500,000 x	0.002	=
8,000 x				6	
80,000 x				0.6	
800,000 x	0.02	=	8,000 x	0.06	=
8,000,000 x	0.002	=	80,000 x	0.006	=
	12			11	
7,000 x	1.2	=	500 x	1.1	=
7,000 x 70,000 x	1.2 0.12	= =	500 x 5,000 x	1.1 0.11	=
7,000 x	1.2 0.12	= =	500 x	1.1 0.11	=
7,000 x 70,000 x 700,000 x	1.2 0.12 0.012	= = =	500 x 5,000 x 50,000 x	1.1 0.11 0.011	= = =
7,000 x 70,000 x 700,000 x 600 x	1.2 0.12 0.012 4	= = =	500 x 5,000 x 50,000 x 800 x	1.1 0.11 0.011 9	= = =
7,000 x 70,000 x 700,000 x 600 x 6,000 x	1.2 0.12 0.012 4 0.4	= = = =	500 x 5,000 x 50,000 x 800 x 8,000 x	1.1 0.11 0.011 9 0.9	= = = =
7,000 x 70,000 x 700,000 x 600 x 6,000 x 60,000 x	1.2 0.12 0.012 4 0.4 0.04	= = =	500 x 5,000 x 50,000 x 800 x 8,000 x 80,000 x	1.1 0.11 0.011 9 0.9 0.09	= = = = =
7,000 x 70,000 x 700,000 x 600 x 6,000 x	1.2 0.12 0.012 4 0.4 0.04	= = = =	500 x 5,000 x 50,000 x 800 x 8,000 x	1.1 0.11 0.011 9 0.9 0.09	= = = =
7,000 x 70,000 x 700,000 x 600 x 6,000 x 60,000 x 600,000 x	1.2 0.12 0.012 4 0.4 0.04 0.004	= = = = = =	500 x 5,000 x 50,000 x 800 x 8,000 x 80,000 x 800,000 x	1.1 0.11 0.011 9 0.9 0.09 0.009	= = = = =
7,000 x 70,000 x 700,000 x 600 x 6,000 x 60,000 x 600,000 x	1.2 0.12 0.012 4 0.4 0.04 0.004 10	= = = = = = = = = = = = = = = = = = =	500 x 5,000 x 50,000 x 800 x 8,000 x 80,000 x 800,000 x	1.1 0.11 0.011 9 0.9 0.09 0.009	= = = = = =
7,000 x 70,000 x 700,000 x 600 x 6,000 x 60,000 x 600,000 x 3,000 x 30,000 x	1.2 0.12 0.012 4 0.4 0.04 0.004 10 1		500 x 5,000 x 50,000 x 800 x 8,000 x 80,000 x 800,000 x 800 x 8,000 x	1.1 0.11 0.011 9 0.9 0.09 0.009 2 0.2	= = = = = = = =
7,000 x 70,000 x 700,000 x 600 x 6,000 x 60,000 x 600,000 x	1.2 0.12 0.012 4 0.4 0.04 0.004 10 1 0.1	= = = = = = = = = = = = = = = = = = =	500 x 5,000 x 50,000 x 800 x 8,000 x 80,000 x 800,000 x	1.1 0.11 0.011 9 0.9 0.09 0.009 2 0.2 0.02	= = = = = =

Multiplying by Multiples of Negative Powers of Ten Answers

			, 111011010				
30 x	3	=	90	1,000 x	12	=	12,000
300 x	0.3	=	90	10,000 x	1.2	=	12,000
3,000 x	0.03	=	90	100,000 x	0.12	=	12,000
30,000 x	0.003	=	90	1,000,000 x	0.012	=	12,000
3,000 x	6	=	18,000	500 x	2	=	1,000
30,000 x	0.6	=	18,000	5,000 x	0.2	=	1,000
300,000 x	0.06	=	18,000	50,000 x	0.02	=	1,000
3,000,000 x	0.006	=	18,000	500,000 x	0.002	=	1,000
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8,000 x	2	=	16,000	80 x	6	=	480
80,000 x	0.2	=	16,000	800 x	0.6	=	480
800,000 x	0.02	=	16,000	8,000 x	0.06	=	480
8,000,000 x	0.002	=	16,000	80,000 x		=	480
, ,				,			
700 x	12	=	8,400	50 x	11	=	550
7,000 x	1.2	=	8,400	500 x	1.1	=	550
70,000 x	0.12	=	8,400	5,000 x	0.11	=	550
700,000 x	0.012	=	8,400	50,000 x	0.011	=	550
,				·			
600 x	4	=	2,400	800 x	9	=	7,200
6,000 x	0.4	=	2,400	8,000 x	0.9	=	7,200
60,000 x	0.04	=	2,400	80,000 x	0.09	=	7,200
600,000 x	0.004	=	2,400	800,000 x	0.009	=	7,200
3,000 x	10	=	30,000	800 x	2	=	1,600
30,000 x	1	=	30,000	8,000 x	0.2	=	1,600
300,000 x	0.1	=	30,000	80,000 x	0.02	=	1,600
3,000,000 x	0.01	=	30,000	800,000 x	0.002	=	1,600