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Multiply by a power of ten: with exponents.

a.	5 x 10 ³	d.	7 x	10 ²				
							8	
							7	6
								5
).	15 x 10 ⁴	e.	92	x 10 ³				
	1 x 10 ⁷	f.	70	x 10 ⁵				



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Multiply by a power of ten: with exponents.

a.	5 x 10 ³	d.	7 x	10	2											
	Let's multiply			Let	's ı	mu	ltip	ly								
	$5 \times 10^3 = 5 \times (10 \times 10 \times 10)$					2 =		1000	10	x 10))					
	= 5 x 1 000					=	7 ×	(10	0							
	= 5 000					=	70	0								
	So, 5 x 10 ³ = 5 000		9	50,	7 ×	(10	² =	70	0		6		3		1000	NA)
										10			3	<i>)</i>		
b.	15 x 10 ⁴	e.	92	x 1	0 ³											
	Let's multiply			Let	's r	mul	tip	ly								
	$15 \times 10^4 = 15 \times (10 \times 10 \times 10 \times 10)$			92	x 1	O ³ =	= 9	2 x	(1	Ох	10) x .	10)			
	= 15 × 10 000							x 1								
	= 150 000					=	92	00	0							
	So, 15 x 10 ⁴ = 150 000		9	So,	92	× 1	O ³	= 9	2 (000)					
c.	1 x 10 ⁷	f.	70	x 1	0 ⁵											
	Let's multiply			Let	t's	mu	ltip	ly								
	$1 \times 10^7 = 1 \times (10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10)$			70	x 1	O ³ =	= 7	0 >	(10 >	< 1C) x	10 :	x 10	X	10
	= 1 × 10 000 000					=	70) X	loc	00	00					
	= 10 000 000					=	7 (000	0 0	00						
	So, 1 x 10 ⁷ = 10 000 000			So,	70	× 1	O ⁵	= 7	00	00	00	0				