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Name:	Class:	7

## Prime factorization with exponents

Order the factors from lea	st to greatest.	
75 =	25 =	
31 =	18 =	
32 =	64 =	
56 =	112 =	
100 =	225 =	
64 =	68 =	





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Name:	Class:	ñ
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>U</b> 1 <b>G U</b> 0 .	

## Prime factorization with exponents

xample: 24 = 2 <sup>3</sup> .3			
.xample . 24 - 2 . 3	24	75	81
	(2) 12	(3) 25	(3) 27
75 = 3 . 5 <sup>2</sup>	(2) 6		(3) 9
3-3.5		(5)(5)	9/1
	(2)(3)		(3)(3)
31 = 34	32	EG	64
	34	56	04
	2) 16	7 8	2 32
$32 = 2^5$			
	(2) 8	(2) 4	2) 16
	(2) 4	(2)(2)	(2) 8
$56 = 2^3 \cdot 7$		00	
10.2	(2)(2)		(2) 4
			(2)(2
$00 = 2^2 \cdot 5^2$	100		
00 2 . 0			
	(2) 50		
54 = 2 <sup>6</sup>	(2) 25		