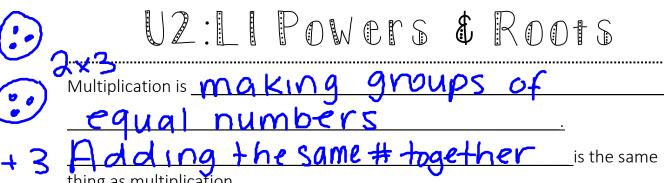
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We can write 5 + 5 + 5 + 5 as ...

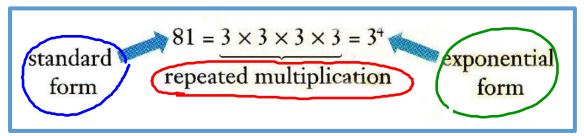
How do we write 8 + 8 + 8 + 8 + 8 + 8?

How do you think we write  $7 \times 7 \times 7$ ?

This is read as Seven to the power of three"

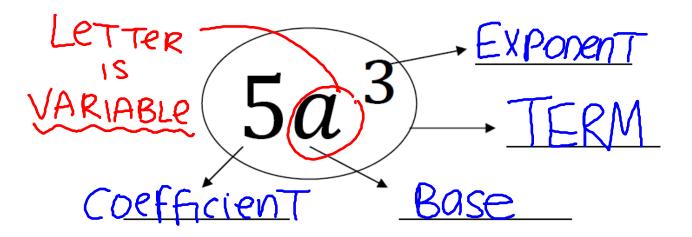
The number "7" tells us which number is REPEATED

The little number "3" tells us **how many times** "7" is repeated



STANDARD FORM	"UNSWER" Or		
	TOTAL VALUE		
REPEATED	the expression written		
MULTIPLICATION	in full		
EXPONENTIAL	big # and little# in		
FORM	Top corner		

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BASE	what the exponent is attached	
EXPONENT	the little guy	
COEFFICIENT	number beside the letter (variable	le)
TERM	Everything mashed together.	,

For the following terms, name the base, exponent and coefficient:

	BASE	EXPONENT	COEFFICIENT
$3m^{6}$	$\mathcal{M}$	9	3
9 <i>f</i> <sup>5</sup>	f	5	
$66a^2$	a	6	66
$b^{10}$	2	10	1
37	3	7	
14 <sup>t</sup>	14	+	

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## In WORDS!

How do we say this out loud?

NUMBERS	POWER	WORDS
7×7	72	Seven to the power of two
2×2×2	$\frac{1}{3}$	to to the
3x3x3x3	34	Three to the power of four
ЧхЧхЧхЧхЧ	4 <sup>5</sup>	four to the power of five



How else can you write  $300^4$ ?

300x300x300x300