

Name : _____

Integers: S1

Standard Form & Exponential Form

A) Write the following numerals in expanded form and standard form.

S.No	Exponential Form	Expanded Form	Standard Form
1)	9^2		
2)	3^5		
3)	$(-2)^4$		
4)	7^3		

B) Write the following numerals in exponential form with the given bases.

S.No	Standard Form	Base	Exponential Form
1)	3,125	5	
2)	1,296	-6	
3)	729	3	
4)	64	8	

C) Write the following numerals in exponential form using prime factorization.

1) $32 =$ _____

2) $125 =$ _____

3) $81 =$ _____

4) $128 =$ _____

5) $1,331 =$ _____

6) $49 =$ _____

Name : _____

Standard Form & Exponential Form

A) Write the following numerals in expanded form and standard form.

S.No	Exponential Form	Expanded Form	Standard Form
1)	9^2	$9 \cdot 9$	81
2)	3^5	$3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$	243
3)	$(-2)^4$	$(-2) \cdot (-2) \cdot (-2) \cdot (-2)$	16
4)	7^3	$7 \cdot 7 \cdot 7$	343

B) Write the following numerals in exponential form with the given bases.

S.No	Standard Form	Base	Exponential Form
1)	3,125	5	5^5
2)	1,296	-6	$(-6)^4$
3)	729	3	3^6
4)	64	8	8^2

C) Write the following numerals in exponential form using prime factorization.

- | | |
|--|---|
| 1) 32 = <u> 2^5 </u> | 2) 125 = <u> 5^3 </u> |
| 3) 81 = <u> 3^4 </u> | 4) 128 = <u> 2^7 </u> |
| 5) 1,331 = <u> 11^3 </u> | 6) 49 = <u> 7^2 </u> |