

Name:	Date:
RSCS	Standard:
<h2>6. EE.1 Exponents</h2> <h3>Homework_Day 1</h3>	
Write each expression in exponential form.	
1. $5 \times 5 \times 5 \times 5 =$	2. $3 \cdot 3 \cdot 3 \cdot 3 =$
Write each expression in expanded form.	
3. $8^3 =$	4. $10^6 =$
5. $g^3 =$	6. $\left(\frac{1}{4}\right)^2 =$
7. What is the difference between $3g$ and g^3 ?	
8. Write the expression in expanded form and evaluate. <i>***Remember evaluate means to determine the solution(value).***</i> $\left(\frac{1}{3}\right)^4 =$	
9. Write the expression in exponential form and evaluate. WITHOUT using a calculator. 2.1×2.1	
10. Write the expression in exponential form, label the power, exponent and base. $0.75 \times 0.75 \times 0.75$	
11. Write the expression in exponential form, and then evaluate. $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$	
12. Write the expression in expanded form, and then evaluate. $\left(\frac{2}{3}\right)^2$	

13. Fill in the missing expressions for each row.

Exponential Form	Expanded Form	Standard Form
3^2		9
	$2 \times 2 \times 2 \times 2 \times 2$	
4^5		
	$\frac{3}{4} \times \frac{3}{4}$	
	1.5×1.5	

14. Write five cubed in all three forms:

Exponential:	
Expanded:	
Standard:	

15. Write fourteen squared in all three forms:

Exponential:	
Expanded:	
Standard:	

16. One student thought two to the third power was equal to six. What mistake do you think he made, and how would you help him fix his mistake?
