

Name _____

Date _____



Eeeeeek! Rules of Exponents!

For each problem, indicate what operation you would perform on the exponents (if any). Then choose the correct answer!

#	Proble	Exponents: Operation	Answer #1	Answer #2	Answer #3	Answer #4
1	$4^9 \cdot 4^2$		4^{12} Yellow	4^6 Black	4^{27} Orange	None Red
1	$10^6 + 2^2$		5^2 Orange	None Red	5^1 Yellow	5^8 Pink
1	$8^6 \cdot 8^2$		8^4 Black	8^{12} Gray	None Dark Blue	8^8 Dark Purple
1	$4^5 + 4^1$		4^2 Yellow	None White	4^4 Orange	4^6 Green
1	$t^{12} \cdot t^4$		None Black	t^2 Orange	t^8 Red	t^{16} Green
1	$4^5 + 4^3$		4^2 Purple	4^8 Pink	4^{25} Yellow	None Blue
1	$m^5 \cdot n^5$		m^{10} Red	m^{25} Tan	m^0 Gray	None White
1	$20^3 + 20$		20^2 Black	None Yellow	20^3 Brown	20^6 Orange
1	$9^2 + 9^2$		None Yellow	1 Orange	9^4 Red	9^1 Blue
1	$7^{15} - 2^3$		7^{12} Black	None Brown	7^{18} Gray	7^2 Red
1	$2^{12} \cdot 2^3$		2^{36} Tan	2^4 Yellow	2^{12} Black	None Purple