

Name: _____ Period: _____

UNIT 4 SCHEDULE: Exponents

This paper is due on TEST DAY

You may correct missed problems on HW's on a SEPARATE piece of paper and come re-grade by TEST DAY to get half points back.

Date Assigned	Lesson	Daily Objective	HW	HW Due Date	HW Score	HW
(B) Tues. Nov. 15 (A) Wed. Nov. 16	4-1	Rational Numbers	4-1 HW	(B) Thur. Nov. 17 (A) Fri. Nov. 18	$\frac{\quad}{\quad}$ % = \quad	
(B) Thur. Nov. 17 (A) Fri. Nov. 18	4-2	Powers & Exponents	4-2 HW	(B) Mon. Nov. 21 (A) Tues. Nov. 22	$\frac{\quad}{\quad}$ % = \quad	
(B) Mon. Nov. 21 (A) Tues. Nov. 22	4-3	Multiply & Divide Monomials	4-3 HW	(B) Mon. Nov. 28 (A) Tues. Nov. 29	$\frac{\quad}{\quad}$ % = \quad	
(B) Mon. Nov. 28 (A) Tues. Nov. 29	4-4	Powers of Monomials	4-4 HW	(B) Wed. Nov. 30 (A) Thur. Dec 1	$\frac{\quad}{\quad}$ % = \quad	
(B) Wed. Nov. 30 (A) Thur. Dec 1	4-5	Negative Exponents	4-5 HW	(B) Fri. Dec. 2 (A) Mon. Dec. 5	$\frac{\quad}{\quad}$ % = \quad	
(B) Fri. Dec. 2 (A) Mon. Dec. 5	4-6	Negative Exponents DAY 2	4-6 HW	(B) Tues. Dec. 6 (A) Wed. Dec. 7	$\frac{\quad}{\quad}$ % = \quad	
(B) Tues. Dec. 6 (A) Wed. Dec. 7	4-7	All Exponent Rules	4-7 HW	(B) Thurs. Dec. 8 (A) Fri. Dec. 9	$\frac{\quad}{\quad}$ % = \quad	
(B) Thurs. Dec. 8 (A) Fri. Dec. 9	U4 Review	Review Day	U4 Review Sheet	(B) Mon. Dec. 12 (A) Tues. Dec. 13	$\frac{\quad}{\quad}$ % = \quad	
(B) Mon. Dec. 12 (A) Tues. Dec. 13	U4 TEST	Test Day	None ☺			

- Any LATE/ABSENT work MUST be graded before it is turned in.
- Any work turned in AFTER the Unit Test will receive HALF CREDIT.
- Turn in any LATE/ABSENT work by TEST DAY to receive highest credit.
- Visit my website - misspyper.weebly.com. The password is **lehijrmath**

Unit 4 Quizzes & Test

Date Given	Lesson #	Daily Objective	Original Score	Need to Retake?	Passed Quiz?
(B) Wed. Nov. 30 (A) Thur. Dec 1	4-3	Multiply & Divide Monomials			
(B) Fri. Dec. 2 (A) Mon. Dec. 5	4-4	Powers of Monomials			
(B) Tues. Dec. 6 (A) Wed. Dec. 7	4-5	Negative Exponents			
(B) Mon. Dec. 12 (A) Tues. Dec. 13	ALL	UNIT 3 TEST			

Quiz Practice Questions: (ANSWERS will be posted on my website. Accessible by clicking on the Unit 4 SCHEDULE.)

4-3 Multiplying and Dividing Monomials

Simplify, write your answers in exponent form.

1. $(18^5)(18^9)(18^0)(18^7)$ 2. $(12ab^4)(-6a^3b^4)$ 3. $(n^4)(n^9)(m^2)$

18^{21}

$-72a^4b^8$

m^2n^{13}

4. $\frac{x^8y^{11}}{x^2y^4}$ 5. $(17w^8k^5h)(wk^6h^3)$ 6. $\frac{14^6c^9d^{12}}{14^5c^6d^2}$ 7. $\frac{13^{10}c^5d}{13^8c^5d}$

x^6y^7

$17w^9k^{11}h^4$

$14c^3d^{10}$

169

4-4 Powers of Monomials

Simplify, write your answers in exponent form.

1. $((10^5)^6)^7$ 2. $(21a^{11}b^4)^5$

10^{210}

$21a^{55}b^{20}$

4. $(17x^4y^3)^6(17x^6y)$ 5. $(-30g^5)^5$

$17^7x^{30}y^{19}$

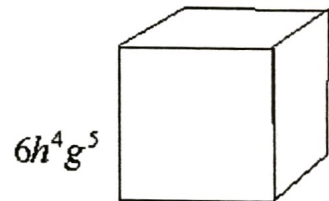
$(-30)^5g^{25}$

6. $(8c^6d)^7(8c^4d)^9$ 7. $(-4mn^2)^{12}$

$8^{16}c^{78}d^{16}$

$(-4)^{12}m^{12}n^{24}$

Express the volume of the cube as a monomial.



$216h^{12}g^{15} \text{ units}^3$

4-5 Negative Exponents

Simplify. Write your answer with positive exponents.

1. $h^5 \cdot h^{-9} \cdot h^2$ 2. $k^{-5} \cdot k$ 3. $\frac{x^8}{x^{-11}}$

$\frac{1}{h^2}$

$\frac{1}{k^4}$

x^{19}

4. $\frac{t^{-5}}{t^{-3}}$ 5. $(c^{-6}d^{17})(c^{14}d^{-20})$ 6. $\frac{45x^{18}y^{-13}}{10x^{-11}y^{-8}}$

$\frac{1}{t^2}$

$\frac{c^8}{d^3}$

$\frac{9x^{29}}{2y^5}$