

MATH 9 LESSON 15

Unit 2 Powers & Exponent Laws

Set 1 Formative Quiz

Bell Work

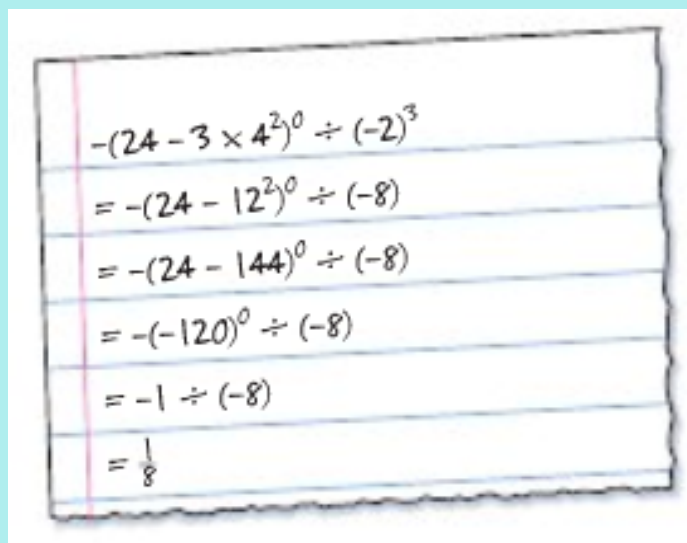
Solve each of the following (don't forget to use BEDMAS)

a) $4^3 \div [8(6^0 - 2)]$

b) $(3 + 4)^2 \times (4 - 6)^3$

c) $(11^3 + 5^2)^0 + (4^2 - 2^4)$

Find the error:



The image shows a piece of lined paper with handwritten mathematical work. The work consists of six lines of equations, each starting with an equals sign. The equations are as follows:

$$\begin{aligned} &= -(24 - 3 \times 4^2)^0 \div (-2)^3 \\ &= -(24 - 12^2)^0 \div (-8) \\ &= -(24 - 144)^0 \div (-8) \\ &= -(-120)^0 \div (-8) \\ &= -1 \div (-8) \\ &= \frac{1}{8} \end{aligned}$$

End of Lesson 15

Assignment 15 - Quiz

Math 9S (N1) Unit 2 Powers & Exponent Laws Mid-unit Quiz 2018

Name: _____

Value /17

1. Complete this table. (5)

Power	Base	Exponent	Repeated Multiplication	Standard Form
3^2	3	2	3×3	9
2^4				
	10	3		
			$4 \times 4 \times 4 \times 4 \times 4$	1024

2. Evaluate. (4)

Example: $6^3 = 216$

a) $5^4 =$ _____ b) $9^0 =$ _____ c) $19^2 =$ _____ d) $12^5 =$ _____

3. Evaluate using BEDMAS. Please show all you work for full value. (8)

Example: $5^2 + 3$

$$5 \times 5 + 3$$

$$25 + 3 = 28$$

Example: $(5-3)^2$

$$(2)^2$$

$$2 \times 2 = 4$$

a) $5^2 - 3^2$

b) $4^2 \div 2$

c) 4×2^3

d) $(4 \times 2)^3$