Name: David Adaszynski

Date:				
Date.				

Learning Goal 3.2

Given a number or set of numbers, identify the prime factorization of each element and use it to find the GCF, LCM, perfect squares or cubes and/or factored form.



## **Daily Check In**

Find the greatest common factor and the lowest common multiple of the following numbers. You may leave your answer in factored form.

r answer in factored form. 
$$2^{4} \times 3^{6} \times 7^{2} \times 19^{8} \text{ and } 2^{3} \times 5^{9} \times 7^{2} \times 17^{1}$$

$$GCF = 2^{3} \times 7^{2}$$

$$L(M = 2^{4} \times 7^{2} \times 5^{0} \times 3^{6} \times 19^{8} \times 17^{1}$$

$$GCF = 2^{3} \times 3^{2} \times 5^{2} \times 7^{2} \times 17^{2} \times 17^{2}$$

$$GCF = 2^{3} \times 3^{2} \times 5^{2} \times 7^{2} \times 17^{2} \times 17^{2} \times 19^{8}$$

$$LCM = 2^{4} \times 3^{6} \times 5^{9} \times 7^{2} \times 17^{2} \times 19^{8}$$

$$LCM = 2^{4} \times 3^{6} \times 5^{9} \times 7^{2} \times 17^{2} \times 19^{8}$$

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$$LCM = 2^{4} \times 3^{6} \times 5^{9} \times 7^{2} \times 17^{4} \times 19^{8}$$

$$LCM = 2^{4} \times 3^{6} \times 5^{9} \times 7^{2} \times 17^{4} \times 19^{8}$$

$$LCM = 2^{4} \times 3^{6} \times 5^{9} \times 7^{2} \times 17^{4} \times 19^{8}$$

Fantastic!

How did you do? (Circle one)	Emerging	Developing	Proficient	Extending
	69		9	(1)

Chapter 3

## Section 3.1 Factors and Multiples of Whole Numbers

**Factors and Products** 

Name: Daviel

Date: Feb 3 2020

Learning Goal 3.2

Given a number or set of numbers, identify the prime factorization of each element and use it to find the GCF, LCM, perfect squares or cubes and/or factored form.



## Daily Check In

Find the greatest common factor and the lowest common multiple of the following numbers. You may leave your answer in factored form.

 $2^1\times 3^8\times 7^3\times 19^4$  and  $2^5\times 3^9\times 5^2\times 17^3$ 

Cyc 21x38x50x70 x 170 x 190 ~ LCM 25x 39 x 73 x 52 x 173 x 194

Astounding !

Emerging	Developing	Proficient	Extending
	( <u>••</u> )	(0)	(@

Name:	Date:

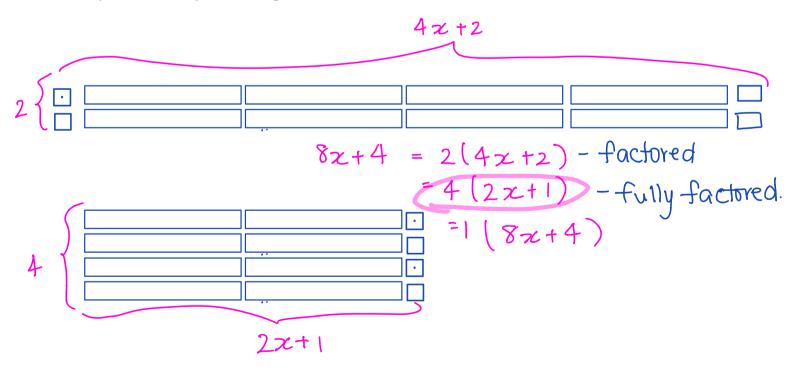
Learning Goal 3.2	Given a number, a set of numbers or a polynomial expression,		
	identify the prime factorization of each element and use it to		
	find the GCF, LCM, perfect squares or cubes and/or factored		
	form.		

- 1. Numbers find the GCF of the coefficients.
- 2. Variable(s) NOW many do they have in common.

Consider 8x + 4. Using the appropriate algebra tiles:

- · 8 sticks
- · 4 little squares

Arrange the tiles into rectangles (there's more than one possibility). Draw the rectangles here. Please leave lots of space between your drawings.



Use algebra tiles to help you find different factored forms of the following expressions. Write down the factored expression next to each diagram.

1. 4x + 12

2. 6m + 9

3. 10k + 20

4.  $6c + 4c^2$ 

5.  $8q^2 + 16$