Math 9 - Lesson 5

- Interactive website
- Textbook work

**You need to remember exponent rules for multiplying and dividing monomials. When multiplying powers with the same base, add the exponents. When dividing powers with the same base, subtract the exponents.**

**Multiplying and Dividing Monomials.**

1. **Do:** This interactive website explains multiplying and dividing monomials. Please do page 1 and page 5 of the online activity.
   
   https://apps.contentconnections.ca/gr9mN/Unit4/Lesson4/index.html
   
   (interactive video lesson)

   **OPTIONAL:**
   
   - Multiplication - try pages 2 to 4 of the online interactive lesson which shows you how to multiply pictorially using algebra tiles
   - Division - try page 6 and 7 of the online interactive lesson which shows you how to divide using algebra tiles

2. **Read:** textbook page 129 Example 1: multiply monomials, Method 2: solve algebraically
3. **Read:** textbook page 130 Example 2: divide monomials, Method 2: solve algebraically
4. **Read:** textbook page 132 Key ideas: 2nd and 3rd bullet points.
5. **Do:** textbook page 133 #4 and #7. Mark your answers with the key at the back of the text.
6. **Submit:** Multiplying and Dividing Monomials Worksheet (please scan and send as a pdf)
7. **Submit:** online Show You Know form. Remember to click on the original link later in the week to see my feedback on this form.

https://forms.office.com/Pages/ResponsePage.aspx?id=sGeWW4-YcEqweChvrwQJJKw_9rzeHNGksM1vFoipH9UMzFVVVNPITlIxV0s3ST1RVjMwSIFBNzJTS4u

To access the textbook, please go to the following website:

https://www.nelson.com/learningonline/k12openaccess/

and answer the questions. It seems the username and password are generic ones used for the province. Your online textbook is a valuable resource, read examples carefully and thoroughly.
1. Multiply each set of monomials
   a. \((8x)(7x^2) = \)
   b. \((12x^2)(3xy) = \)
   c. \((5x^2yz)(3x^3y^5z) = \)

2. Divide each pair of monomials
   a. \(\frac{49x^7}{7x^3} = \)
   b. \(\frac{28x^2y^2}{-7xy} = \)
   c. \(\frac{-2a^2b^3c}{-a^2b^2c} = \)