

Math 9A LG 6

MULTIPLYING AND DIVIDING POLYNOMIALS

INTRODUCTION:

Mathematics is a language that is understood throughout the World. For a cool example, check out page 174.

LEARNING GUIDE EXPECTATIONS:

On the completion of this learning guide you will be able to:

- 1) model, record and explain the concepts of multiplication and division of polynomials.

EVALUATION:

You are ready to progress to the next learning guide when you can demonstrate your understanding of the above expectations. Please refer to your Mathematics 9 Marks Record Sheet to determine the assessment.





RESOURCES NEEDED:

 Math Links 9 Text

Algebra Tiles Kit

LEARNING ACTIVITIES:

Expectation #1: Model, record, and explain the concepts of multiplication and division of polynomials.

1.  [Watch and take notes on instructional video on Multiplying Polynomials with Alg. Tiles](#)
2.  [Watch and take notes on instructional video on Multiplying Polynomials Algebraically](#)
3.  In the Math Links 9 text, work through Example 1 on page 255. Now complete #3, 6, 7 on page 179.
4. In the Math Links 9 text, work through Example 2 on page 256. Now complete #9 on page 260.
5.  In your math journal, complete the journal entry for LG's 6 Expectation 1 Parts A

(Multiplying Monomials).



6. [Watch and take notes on instructional video on Dividing Polynomials with Algebra Tiles](#)



7. [Watch and take notes on instructional video on Dividing Polynomials Algebraically](#)



8. In the Math Links 9 text, work through Example 3 on pages 256-257. Now complete #11, 13, 15 on page 261.

You can use your algebra tile kit from the science kiosk to help you. You will need to draw your answers in your notebook, using the tiles as a model.



9. In the Math Links 9 text, work through Example 4 on page 258. Now complete #19 on page 262.



10. In your math journal, complete the journal entry for LG 6 Expectation 1 – Part B (Dividing Monomials).



11. In the Math Links 9 text, work through Example 2 on page 266. Now complete #8, 10 on pages 269-270. You can use your algebra tile kit from the science kiosk to help you.



12. In the Math Links 9 text, work through Example 3 on page 267. Now complete #12, 17, 18 on page 271.



13. In your math journal, complete the journal entry for LG 6 Expectation 1 – Part C (Distributive Property).



14. In the Math Links 9 text, work through Example 1 on page 273. Now complete #4, 7 on pages 275-276.

You can use your algebra tile kit from the science kiosk to help you.



15. In the Math Links 9 text, work through Example 2 on page 274. Now complete #8, 13 on page 276.

REVIEW AND CHALLENGE

***Please note: You may want to use algebra tiles (sign them out from the science kiosk) to help you complete the following review questions:



1. In the Math Links 9 text, complete Chapter 7 Review pages 278-279 #5, 7, 9, 12-14, 15-16.