

Topic: Unit 7: Polynomials  
 Subject(s):

Days: 12  
 Grade(s):

**Key Learning: How to use the arithmetic operators with monomials and polynomials.**



Unit Essential Question(s):  
**How performing arithmetic operations on monomials and polynomials are used to solve real world problems?**



**Concept:**  
**Arithmetic manipulation of monomials and polynomials**

**Concept:**  
**Real world application of monomials and polynomials**



**Lesson Essential Question(s):**  
 How do you multiply monomials? (A)  
  
 How do you divide monomials? (A)  
  
 How do you identify the characteristics of polynomials? (A)  
  
 How do you add and subtract polynomials? (A)  
  
 How do you multiply a monomial and polynomial? (A)  
  
 How do you divide a polynomial? (A)

**Lesson Essential Question(s):**  
 How do you multiply polynomials? (A)  
  
 How do you multiply special products (binomials)? (A)



**Vocabulary:**  
 monomials, constant, order of magnitude, polynomials, binomials, trinomials, degree of monomials, degree of polynomials, leading coefficient, standard form of a polynomial

**Vocabulary:**  
 foil method, quadratic expression

**Additional Information:**  
 Sections 7.1, 7.2, 7.4, 7.5, 7.6, 7.7, 7.8, 11.5 omit 7.3

**Attached Document(s):**

Vocab Report for Topic: Unit 7: Polynomials  
Subject(s):

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Grade(s):

**Concept: Arithmetic manipulation of monomials and polynomials**

monomials, constant, order of magnitude, polynomials, binomials, trinomials, degree of monomials, degree of polynomials, leading coefficient, standard form of a polynomial -

**Concept: Real world application of monomials and polynomials**

foil method, quadratic expression -