

# MULTIPLICATION AND DIVISION OF WHOLE NUMBERS: OBJECTIVES\*

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## Abstract

This module contains Chapter 2 of Fundamentals of Mathematics by Denny Burzynski and Wade Ellis, Jr.

After completing this chapter, you should

### **Multiplication of Whole Numbers ( here<sup>1</sup>)**

- understand the process of multiplication
- be able to multiply whole numbers
- be able to simplify multiplications with numbers ending in zero
- be able to use a calculator to multiply one whole number by another

### **Concepts of Division of Whole Numbers ( here<sup>2</sup>)**

- understand the process of division
- understand division of a nonzero number into zero
- understand why division by zero is undefined
- be able to use a calculator to divide one whole number by another

### **Division of Whole Numbers ( here<sup>3</sup>)**

- be able to divide a whole number by a single or multiple digit divisor
- be able to interpret a calculator statement that a division results in a remainder

### **Some Interesting Facts about Division ( here<sup>4</sup>)**

- be able to recognize a whole number that is divisible by 2, 3, 4, 5, 6, 8, 9, or 10

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<sup>1</sup>"Multiplication and Division of Whole Numbers: Multiplication of Whole Numbers"  
<<http://cnx.org/content/m34863/latest/>>

<sup>2</sup>"Multiplication and Division of Whole Numbers: Concepts of Division of Whole Numbers"  
<<http://cnx.org/content/m34864/latest/>>

<sup>3</sup>"Multiplication and Division of Whole Numbers: Division of Whole Numbers" <<http://cnx.org/content/m34865/latest/>>

<sup>4</sup>"Multiplication and Division of Whole Numbers: Some Interesting Facts about Division"  
<<http://cnx.org/content/m34866/latest/>>

**Properties of Multiplication ( here<sup>5</sup>)**

- understand and appreciate the commutative and associative properties of multiplication
- understand why 1 is the multiplicative identity

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<sup>5</sup>"Multiplication and Division of Whole Numbers: Properties of Multiplication" <<http://cnx.org/content/m34867/latest/>>