Decimals: Objectives*

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Abstract

This module contains the learning objectives for the chapter "Decimals" from Fundamentals of Mathematics by Denny Burzynski and Wade Ellis, jr.

After completing this chapter, you should

Reading and Writing Decimals (here[1])

- understand the meaning of digits occurring to the right of the ones position
- be familiar with the meaning of decimal fractions
- be able to read and write a decimal fraction

Converting a Decimal to a Fraction (here[2])

- be able to convert an ordinary decimal and a complex decimal to a fraction

Rounding Decimals (here[3])

- be able to round a decimal number to a specified position

Addition and Subtraction of Decimals (here[4])

- understand the method used for adding and subtracting decimals
- be able to add and subtract decimals
- be able to use the calculator to add and subtract decimals

Multiplication of Decimals (here[5])

- understand the method used for multiplying decimals
- be able to multiply decimals
- be able to simplify a multiplication of a decimal by a power of 10
- understand how to use the word "of" in multiplication

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[1]"Decimals: Reading and Writing Decimals" <http://cnx.org/content/m34957/latest/>
[2]"Decimals: Converting a Decimal to a Fraction" <http://cnx.org/content/m34958/latest/>
[3]"Decimals: Rounding Decimals" <http://cnx.org/content/m34959/latest/>
[4]"Decimals: Addition and Subtraction of Decimals" <http://cnx.org/content/m34960/latest/>
[5]"Decimals: Multiplication of Decimals" <http://cnx.org/content/m34963/latest/>

Division of Decimals (here[6])

- understand the method used for dividing decimals
- be able to divide a decimal number by a nonzero whole number and by another, nonzero, decimal number
- be able to simplify a division of a decimal by a power of 10

Nonterminating Divisions (here[7])

- understand the meaning of a nonterminating division
- be able to recognize a nonterminating number by its notation

Converting a Fraction to a Decimal (here[8])

- be able to convert a fraction to a decimal

Combinations of Operations with Decimals and Fractions (here[9])

- be able to combine operations with decimals

[6] "Decimals: Division of Decimals" <http://cnx.org/content/m34968/latest/>
[7] "Decimals: Nonterminating Divisions" <http://cnx.org/content/m34969/latest/>
[8] "Decimals: Converting a Fraction to a Decimal" <http://cnx.org/content/m34970/latest/>
[9] "Decimals: Combinations of Operations with Decimals and Fractions" <http://cnx.org/content/m34971/latest/>