

MEASUREMENT AND GEOMETRY: OBJECTIVES*

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Abstract

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

After completing this chapter, you should

Measurement and the United States System ()

- know what the word measurement means
- be familiar with United States system of measurement
- be able to convert from one unit of measure in the United States system to another unit of measure

The Metric System of Measurement ()

- be more familiar with some of the advantages of the base ten number system
- know the prefixes of the metric measures
- be familiar with the metric system of measurement
- be able to convert from one unit of measure in the metric system to another unit of measure

Simplification of Denominate Numbers ()

- be able to convert an unsimplified unit of measure to a simplified unit of measure
- be able to add and subtract denominate numbers
- be able to multiply and divide a denominate number by a whole number

Perimeter and Circumference of Geometric Figures ()

- know what a polygon is
- know what perimeter is and how to find it
- know what the circumference, diameter, and radius of a circle is and how to find each one
- know the meaning of the symbol π and its approximating value
- know what a formula is and four versions of the circumference formula of a circle

Area and Volume of Geometric Figures and Objects ()

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- know the meaning and notation for area
- know the area formulas for some common geometric figures
- be able to find the areas of some common geometric figures
- know the meaning and notation for volume
- know the volume formulas for some common geometric objects
- be able to find the volume of some common geometric objects