

GRADE 7 MATH LEARNING GUIDE

Lesson I: SETS: AN INTRODUCTION

Time: 1.5 hours

Pre-requisite Concepts: Whole numbers

About the Lesson:

This is an introductory lesson on sets. A clear understanding of the concepts in this lesson will help you easily grasp number properties and enable you to quickly identify multiple solutions involving sets of numbers.

Objectives:

In this lesson, you are expected to:

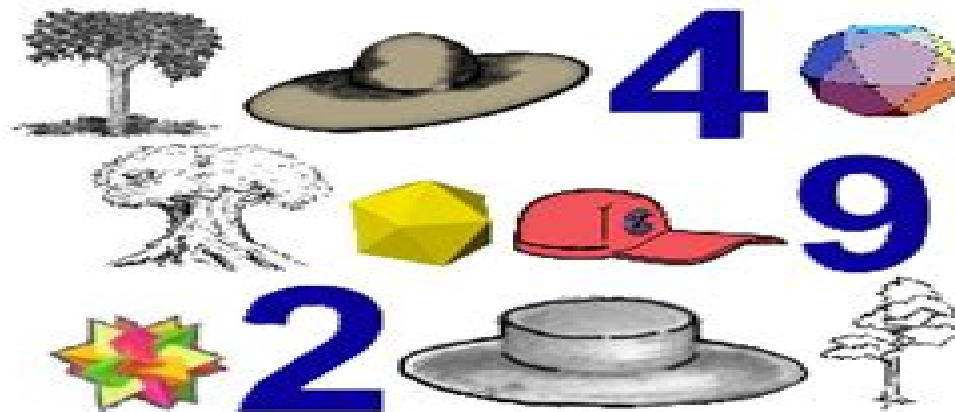
1. Describe and illustrate
 - a. well-defined sets;
 - b. subsets;
 - c. universal set, and;
 - d. the null set.
2. Use Venn Diagrams to represent sets and subsets.

Lesson Proper:

A.

I. Activity

Below are some objects. Group them as you see fit and label each group.



Answer the following questions:

- a. How many groups are there?
- b. Does each object belong to a group?
- c. Is there an object that belongs to more than one group? Which one?

Grade 7 Math Learning Guide

Jin-Ying Zhang



Grade 7 Math Learning Guide:

Eureka Math Grade 7 Study Guide Great Minds,2016-04-20 Eureka Math is a comprehensive content rich PreK 12 curriculum that follows the focus and coherence of the Common Core State Standards in Mathematics CCSSM and carefully sequences the mathematical progressions into expertly crafted instructional modules The companion Study Guides to Eureka Math gather the key components of the curriculum for each grade into a single location unpacking the standards in detail so that both users and non users of Eureka Math can benefit equally from the content presented Each of the Eureka Math Curriculum Study Guides includes narratives that provide educators with an overview of what students should be learning throughout the year information on alignment to the instructional shifts and the standards design of curricular components approaches to differentiated instruction and descriptions of mathematical models The Study Guides can serve as either a self study professional development resource or as the basis for a deep group study of the standards for a particular grade For teachers who are new to the classroom or the standards the Study Guides introduce them not only to Eureka Math but also to the content of the grade level in a way they will find manageable and useful Teachers familiar with the Eureka Math curriculum will also find this resource valuable as it allows for a meaningful study of the grade level content in a way that highlights the coherence between modules and topics The Study Guides allow teachers to obtain a firm grasp on what it is that students should master during the year The Eureka Math Curriculum Study Guide Grade 7 provides an overview of all of the Grade 7 modules including Ratios and Proportional Relationships Rational Numbers Expressions and Equations Percent and Proportional Relationships Statistics and Probability Geometry

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