

Kolbe Academy Home School

GRADE ONE MATHEMATICS *MCP Math A*

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Teachers' Notes: Begin every class with a prayer. This is a good way to help the child memorize new prayers. Repeat the same ones every day until they are known. Be sure to explain the meanings of the prayers. Repetition in all areas of study is most important. In most cases, Fridays have been left open. You may do a four-day week or use Friday as a "catch-up" day. While art and music should be worked in during the week, Friday is also a good day to concentrate on those subjects.

If you intend to use the sample tests provided, look them over before teaching the subjects and make sure you teach the material in the tests. Your student may not need all of Week 8 for review. You can use this time to "catch up" if necessary and then go over the subject matter. In first grade, it may not be possible for the child to do all of the tests independently. You may give the tests orally if necessary, but by the end of the year, the child should be able to complete them unaided.

COURSE TITLE: Mathematics

COURSE DESCRIPTION:

This course is based on the natural processes of thinking, namely induction and deduction. Inductive thinking arrives at the answer almost immediately because it seems obvious (although it is not always exact). Deductive thinking is a step-by-step process of reasoning leading to a solution. One process is not better than the other, only different from the other.

Manipulatives are very important with beginning math. Strings of beads, Legos, toothpicks, or anything that can be counted will work. The child should understand that six is not just six, but is six ones. He should count out the amounts and begin to memorize the facts. Begin with the simplest of addition and subtraction problems using manipulatives. Once he understands the concepts, use flash cards to memorize the facts, building up from the smaller to the larger. This can be done before starting in the math book.

Have the student correct all mistakes made in written work with the explanation that we learn from our mistakes. We recommend that you do not tear out the pages of the mathematics book because if there is a need to review a concept, the student will not be able to look back and find where it was introduced.

COURSE OBJECTIVE:

To teach one concept at a time and to do problems both inductively and deductively.

SCOPE AND SEQUENCE:

Course activities involve inductive & deductive activities:

1. mental activity
2. adding numbers without use of paper & pencil
3. physical activity using real objects
4. students writing all segments of the problem: this increases the development of:
 - ❖ mental skills
 - ❖ finger dexterity

SKILLS TO BE DEVELOPED:

- ❖ counting

- ❖ learning simple functions
- ❖ addition
- ❖ subtraction
- ❖ working with simple functions
- ❖ understanding the addition of zero
- ❖ geometric figures
- ❖ counting in tens, fives, and twos
- ❖ developing basic skills involving two digit numbers
- ❖ introducing fractions, time, and money
- ❖ solving story problems

COURSE TEXTS:

MCP Level A (Copyright 1994)

Supplemental Resources:

ID Digital (Kerley publications)

COURSE PLAN METHODOLOGY: *MCP Math A* is represented by the abbreviation **MCP**. Each weekly assignment is summarized in the first line of the week's daily course plan. The specific daily assignments are outlined in the following lines indicated by the **MON**, **TUES**, **WED**, and **THUR** abbreviations.

Kolbe Academy has worked diligently to create the best possible course plans with the home schooling family in mind. Remember, however, that our program is intended to be flexible. Per the principle of subsidiarity, these course plans are a **suggested** course of study. As the teacher, you should adapt and modify these course plans to meet the individual learning needs of your child. **Do not feel obligated to follow these course plans exactly.**

◆◆◆ FIRST QUARTER ◆◆◆

WEEK 1	
MCP	Pages 1 – 12
MON	Page 1 – 3. Make sure all numbers are written correctly, beginning at the top and moving down.
TUES	Page 4 – 6. In writing the 4, tell the student to pick up the pencil to make the vertical line.
WED	Page 7 – 9. Show the student how to count items from left to right. If he becomes confused when there are a large number of items, have him circle each one as he counts.
THUR	Page 10 – 12.
Notes	
WEEK 2	
MCP	Pages 13 – 24
MON	Pages 13 – 15. Encourage neatness in counting and writing the numbers.
TUES	Pages 16 – 18. Be sure the student counts and writes the numbers correctly.
WED	Pages 19 – 21. When working with money, it is always good to have real or play money available.
THUR	Pages 22 – 24. If the student has not mastered the unit, re-teach using any manipulatives available.
Notes	
WEEK 3	
MCP	Pages 25 – 36
MON	Pages 25 – 27. Memorize the sums through the 5's. Using any kind of manipulatives, and the book have the student memorize sums through 7 this week.
TUES	Pages 28 – 30. Some students tend to rush through the work in workbooks without retaining the lesson. See that this does not happen.
WED	Pages 31 – 33. Drill on the facts through 5 before doing the work.