

# Kolbe Academy Home School

## GRADE SIX MATHEMATICS *Saxon Math 7/6*

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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 beneficial. 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 can be worked in during the week, Friday is also a good day to concentrate on those subjects.

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. 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. Some children have a difficult time doing written exams, but it is important for them to learn how to take them. If your sixth grader does poorly on them, give them to him again a couple of days after he has taken them for the first time and average the grades.

**COURSE TITLE:** Mathematics

**COURSE DESCRIPTION:**

This course moves the student from arithmetic to foundational treatments of "geometry, measurement, algebra, number, and scale and graph reading." Word problems are also included.

Be sure to read the introduction that Saxon provides at the beginning of their books. Each lesson should begin with a warm-up exercise with the Facts Practice Test as described in the introduction of *Saxon Math 7/6*. Each test provided by *Saxon Math 7/6* is cumulative such that an entire week of review is not necessary for the quarterly exams. Quarterly exams are a compilation from the weekly tests given in that particular quarter.

Care should be taken to make sure that students complete all the problems, as well as all the supplemental work in any trouble area. Supplemental material is provided at the back of *Saxon Math 7/6* for selected lessons. This material is strictly optional.

**SCOPE AND SEQUENCE:**

- |   |   |
|---|---|
| 1. Addition, subtraction, multiplication and division | 17. Common Denominators                       |
| 2. Parentheses  | 18. Polygons                                  |
| 3. Fractional parts                                   | 19. Composite numbers and prime factorization |
| 4. Linear Measure                                     | 20. Lines                                     |
| 5. Perimeter  | 21. Cancel                                    |
| 6. Comparing and sequences                            | 22. Percent                                   |
| 7. Reading scales and graphs                          | 23. Exponents                                 |
| 8. Place value  | 24. Volume                                    |
| 9. Negative numbers                                   | 25. Ratio                                     |
| 10. Average   | 26. Angles                                    |
| 11. Factors   | 27. Unit canceling                            |
| 12. Greatest Common Factor                            | 28. Pi  |
| 13. Fractions   | 29. Adding integers                           |
| 14. Reciprocals                                       | 30. Unit conversion                           |
| 15. Area  | 31. Divisibility                              |
| 16. Decimals  |   |

**COURSE TEXT:** Saxon Math™ Homeschool 7/6 (Fourth Edition)

**COURSE PLAN METHODOLOGY:** Each daily assignment is in the first line of the week's daily course plan. The quarterly schedule is set up such that one lesson, investigation or test can be done on a five-day schedule. Although most of Kolbe Academy Home School course plans are set up for a four-day-a-week, the mathematics courses do benefit from a five-day-a-week schedule. This can be changed if the student would like to double up on an assignment or test on the final day of the week. Students should work at his own pace. They should not be held back by this outline if they are capable of going ahead, but they should not fall too far behind this outline.

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	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
2	Lesson 6	Lesson 7	Lesson 8	Lesson 9	Lesson 10