

Midwest Region PASS Center

MATH 6B

In this course concepts and skills are introduced or reintroduced through step by step examples provided in the student activity "book. These are followed by practice exercises with the answers given upside down on the following page. Once the student is confident that he/she knows the skill he/she does the follow up activity. For immediate reinforcement purposes the answers to the odd numbered problems of each activity are provided in the "Appendix" of the student activity book. A "Reteach" activity is provided for each skill for students needing additional practice or for review purposes as indicated from the results of the review test.

UNIT 6 - Whole Numbers & Decimals

This unit is designed to review the student's understanding and use of place values and rounding as well as the addition, subtraction, multiplication and division of both whole numbers and decimals.

UNIT 7 - Fractions: Multiplying & Dividing

In this unit the student learns and/or reviews the meaning of fractions, equivalent fractions, common denominators, improper fractions and mixed numbers, and the multiplication and division of fractions and mixed numbers. A shortcut in multiplying fractions and the use of reciprocals in dividing fractions are also taught.

UNIT 8 - Fractions: Adding & Subtracting

In this unit the student learns or reviews the adding and subtracting of fractions and mixed numbers with the same or different denominators. Changing fractions to decimals and decimals to fractions as well as the concept of repeating decimals are also taught.

UNIT 9 – Geometry

In this unit the student learns or reviews the basic geometric terms, identifies lines, polygons and quadrilaterals. The student practices the measuring of angles and the classification of angles and triangles. Formulas for finding the perimeter and the area of rectangles, squares, triangles and parallelograms are introduced and used.

UNIT 10 – Ratio, Proportion & Percent

In this unit the student learns to write ratios and percents along with an understanding of and solving of proportions. Interchanging decimals, percents and fractions is taught. Finding the percent of a number and finding a number when percent is given is also introduced.