

**The American School of Marrakesh**  
**Math 7**  
**2015-2016**

**Teacher:** Mr. Christopher Orense

**Course Overview:** This course extends students' knowledge, understanding and skills to the study of the real number system and its properties including the different operations on integers, fractions, and decimals. It aims to develop students' skills in solving problems through the study of expressions, equations and inequalities. Emphasis is placed on making connections in algebra to arithmetic, geometry, and statistics. Critical thinking skills and computer technologies are essential components in this course.

**Course Description:**

- I. Subsets of the Real Number System
- II. Rational Numbers
  - a. Converting Rational Numbers to Fractions, Decimals and Percent
  - b. Comparing and Ordering Rational Numbers
  - c. Ratio and Proportion
  - d. Percent Problems
- III. Expressions
  - a. Order of Operations
  - b. Writing Algebraic Expressions
  - c. Simplifying Algebraic Expressions
  - d. Evaluating Expressions
- IV. Equations and Inequalities
  - a. Solving Equations
  - b. Solving Inequalities
- V. Geometry
  - a. Perimeter, Area and Volume of Complex Shapes
  - b. Measurement
  - c. Coordinate Geometry
  - d. Regular and Irregular Polygons
  - e. Classification of Triangles
  - f. Solid Figures
- VI. Statistics and Probability
  - a. Variability
  - b. Data Distributions
  - c. Theoretical Probability
  - d. Permutations and Combinations

A more specific calendar and course detail can be found on the class website  
( <http://asmmsmath.weebly.com> )

**Textbook: Pre-Algebra**

**Course Grade Design:**

Tests	40%
Quizzes	30%
Classwork Assignments	30% <i>(includes homework, classwork, notebook check, projects, participation, behavior log)</i>

**Class Expectations and Teacher Support:**

Students are expected to be in their seats with their materials on their desk and ready to learn by the time the bell rings. Respect, responsibility and concentration are expected and developed. **I encourage everyone to ask questions!** The teacher is available for consultations in cases where students need extra help. Please make arrangements with the teacher for the best schedule that works for both the teacher and the student.

**Materials:**

binder (at least 1 inch thick)  
lots of loose leaf paper  
pencils  
pens  
textbook.

**Contact Information**

**Mr. Orense, Room 206**

**Email: [corense@asm.ac.ma](mailto:corense@asm.ac.ma)**

**Class Website: <http://asmmsmath.weebly.com>**