



World Vision Academy Math Gr. 4~7

Curriculum Overview

WVA Grade 4 Math	Big Ideas: <ul style="list-style-type: none">• Working with numbers up to 10,000• Basic math operations, addition, subtraction, multiplication, and division• Introduction to fractions and decimals• Understanding basic geometric facts and concepts, including measurements, area, and volume• 2D and 3D shapes• Patterns, grids, and graphs
WVA Grade 5 Math	Big Ideas: <ul style="list-style-type: none">• Working with numbers up to 100,000• Basic math operations, addition, subtraction, multiplication, and division with whole numbers• Fractions and decimals• Understanding basic geometric facts and concepts, including measurements, capacity, area, and volume• Understanding the relationship between angles and triangles• Patterns, transformation, and graphs• 2D and 3D figures
WVA Grade 6 Math	Big Ideas: <ul style="list-style-type: none">• Working with numbers up to 1 million• Understanding prime and composite numbers• Order of operations with whole numbers• Understanding geometric concepts, including measurements, area, surface area and volume• Basic math operation, addition, subtraction, multiplication, and division with decimals• Working with units, including conversions and ratios• Patterns, transformation, coordinate system and graphs• 2D shapes and 3D figures
WVA Grade 7 Math	Big Ideas: <ul style="list-style-type: none">• Understanding prime and composite numbers• Order of operations with integers and decimals• Understanding geometric properties of circles and cylinders• Expression and equations• Coordinate graphs and transformation• Developing financial literacy including percent, change and calculations.• Experimental and theoretical probability and representing probabilities as ratios, fractions, and percentages

Students develop and strengthen essential transferable skills by going through math courses. Students should reflect on their core skills in the three areas with guidance from their parents.

Communication	Communication and Collaboration
Thinking	Critical, Reflective, and Creative Thinking
Personal & Social	Personal awareness & Responsibility Positive personal & Cultural Identity Social awareness & Responsibility