ONLINE MATH SUMMER SCHOOL
BY IRFANA SAEED QURESHI

GETTING READY FOR SECONDARY SCHOOL MATH

Lesson 1: Number Sense and Place Value
Place value understanding for large numbers
Rounding and estimating
Prime numbers, factors, and multiples

COURSE OBJECTIVE:
The objective of this course is to prepare UK students aged 10 to 11 for the transition to secondary school by strengthening their foundational math skills and introducing them to key concepts that they will encounter in their secondary school math curriculum.

Lesson 2: Basic Operations and Problem Solving
Review of addition, subtraction, multiplication, and division
Solving word problems involving the four operations
Mental math strategies

Lesson 4: Geometry and Measures
Properties of 2D shapes (polygons, triangles, and quadrilaterals)
Introduction to angles and their measurements

Lesson 3: Fractions and Decimals
Understanding fractions and equivalent fractions
Comparing and ordering fractions and decimals
Converting between fractions and decimals

Lesson 7: Ratio, Proportion, and Percentages
Understanding ratio and proportion
Solving problems involving percentages
Real-life applications of ratios & proportions

Lesson 5: Algebraic Thinking and Equations
Using variables in expressions and equations
Solving simple one-step equations
Patterns and sequences

Lesson 6: Statistics and Data Handling
Collecting and organizing data
Representing data using bar graphs and line graphs
Calculating mean, median, and mode

ONLINE PERSONAL TUTOR
IRFANA SAEED QURESHI
STUDENTS AGE 7-16

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ALL STUDENTS TO RECEIVE AN CERTIFICATE OF COMPLETION AT THE END OF THE COURSE

Lesson 8: Problem Solving and Critical Thinking
Applying math skills to solve complex word problems
Developing logical reasoning and problem-solving abilities
Review and consolidation of course content through group activities