Gulf English School Term 1 Year 7 Mathematics

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| TOPICS: Fractions, Decimals, percentages. |

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| Themes: Fractions, Decimals, Percentages; Interchanging and four operations | Level: Year 7 |
| Objectives: To interchange fractions, decimals and percentages. To refine methods for calculating fraction of amounts. To use comprehensive methods for addition and subtraction of fractions, mixed numbers and decimals including word problems. To use place value for multiplication and division by powers of 10. To refine methods of estimation by rounding. To develop effective methods for multiply/dividing decimals. | |

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| Focussing Questions | Key Words | |
| **1-2. Parts of a whole.**   * Key resource: STP Year 7 Chapter 6, Ex 6a to 6m * How many ways can we write 3/10? * How can we compare fractions with different denominators? * What calculation is equivalent to x 1/2? * What calculation is equivalent to ÷ 1/2 ?   + Assessment: Cumulative quiz   **3-4. Addition and subtraction of fractions and decimals:**   * Key resources: STP Book Year 7 Chapter 7, Ex 7a to 7k * How does x/÷ by 10 affect place value? * What type of fractions can we add or subtract? * How can I write the answer in another way? * What is the simplest form of that fraction?   + Assessment: Cumulative quiz   **5-6 Decimals**   * Key resource: STP Book Year 7 Chapter 8 Ex 8a – 8n * How can we use place value to multiply by 10? * What methods are useful for dividing? * How can I adapt the methods I already know to calculate this?   + Assessment: Cumulative quiz   Assessment: Cumulative half term test | Improper fraction,  Multiply,  Times, Product,  Mixed number,  Equivalent fraction,  Interchange,  Equivalence,  Numerator, Denominator, Reciprocal, Simplest form, Notation, Estimation, Rounding,  Place value, Approximation  Reasonable,  Result,  Divide | Explaining words  ..because...  Therefore...  The denominators must…  The simplest form is…  Multiplying/Dividing by a power of 10… |

**TEXT BOOK: STP MATHEMATICS YEAR 7**