Gulf English School Term 3 Year 7 Mathematics

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| TOPICS: Angles in Parallel Lines; Coordinates |

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| **Themes:** Multiply and divide by decimals, dividing by transforming to division by an integer, by two digits.  Understand the effect of multiplying a positive number by a decimal less than 1’***.***  ***-***Convert between large and small whole number metric units. Use the standard conventions for labelling the sides and angles of triangle ABC. Apply the properties of angles at a ***point;*** apply the properties angles at a point on a straight line.  Identify properties of, and describe the results of: translations, reflections, rotations. | Level: Year 7 |
| **Objectives:** To develop knowledge of angles and apply angle facts to deduce unknown angles; Be able to read and plot coordinates. | |

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| Focussing Questions | Key Words | |
| **Angles in Parallel Lines**   * What are parallel lines? * What are corresponding angles? * How do you recognise corresponding angles? * What are alternate angles? * How do you recognise alternate angles? * What are co-interior angles? * How do you recognise co-interior angles?   **Coordinates**   * Read and interpret coordinates in ALL quadrants * Plot coordinates   **Revision**   * Which topics do you need help with? * Do you use myimaths.com to help with revision? | Divisor, Dividend, Quotient, Remainder  Factor  Short division  Long division  Operation  Estimate  Length, distance  Mass, weight  Volume  Capacity  Metre, centimetre, millimetre  Tonne, kilogram, gram, milligram  Litre, millilitre  Hour, minute, second  Inch, foot, yard  Pound, ounce  Pint, gallon  Degrees  Right angle  Acute angle  Obtuse angle  Reflex angle  Protractor  Vertically opposite  Grid  Axis, axes, x-axis, y-axis  Origin, Quadrant  Coordinates Point  Translation  Reflection  Transformation  Object, Image  Congruent, congruence | Explaining words  To convert to simplest form…  You must only multiply or divide ….  The definition of a supplementary angle is….  The properties of the right, acute, obtuse and reflex are….  We can draw symmetrical shapes….  We can identify and draw a congruent shapes. |