SCHEME OF WORK MATHEMATICS FORM 2 2022-MAY

TERM I ENDARASHA BOYS

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| **WK** | **LSN** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **L/T ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** |
| **2** | 1 | Cubes And Cube Roots | Cubes of numbers by multiplication and from tables | By the end of the lesson, the learner should be able to:Find the cubes of numbers by multiplicationFind the cube roots of numbers from tables | Multiplying numbers Reading mathematical tablesDiscussions Demonstrations ExercisesExercises in given class | Mathematical tables Real life situation | Discovering secondary mathematics Book 2Pages 1-3Secondary mathematics KLB book 2 pages 1 and2KLB teachers? guide book 2 page 1Golden tips mathematics pages 6 and 63 |  |
| 2 | Cubes And Cube Roots | Cube roots of numbers by factor method | By the end of the lesson, the learner should be able to:Find the cube roots of numbers by factor method | Multiplying numbers Reading mathematical tablesDiscussions Demonstrations ExercisesExercises in given class | Mathematical tables Real life situation | Discovering secondary mathematics Book 2Pages 5-6Secondary mathematics KLB book 2 page 3KLB teachers? guide book 2 page 1-2Golden tips mathematics pages 62 |  |
| 3 | Cubes And Cube Roots | Evaluation of cube and cube roots expressions and application of cubes and cube roots in real life situation | By the end of the lesson, the learner should be able to:Evaluate expressions involving cubes and cube rootsApply the knowledge of cubes and cube roots in real life situations | Multiplying numbers Reading mathematical tablesDiscussions Demonstrations ExercisesExercises in given class | Mathematical tables Real life situation | Discovering secondary mathematics Book 2Pages 5-6Secondary mathematics KLB book 2 page 3 and 4 KLB teachers? guide book 2 page 2Golden tips mathematics pages 63 and 64 |  |
| 4 | Reciprocals | Reciprocals of numbers by division and from tables | By the end of the lesson, the learner should be able to:Find reciprocals of numbers by division Find reciprocals of numbers from tables | Multiplying numbers Dividing numbers Reading mathematical tablesDiscussions Demonstrations ExercisesExercises in given class | Mathematical tables | Discovering secondary mathematics Book 2Pages 12-13Secondary mathematics KLB book 2 page 5KLB teachers? guide book 2 page 5Golden tips mathematics pages 64 |  |
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|  | 5 | Reciprocals | Computation using reciprocals | By the end of the lesson, the learner should be able to:Use reciprocals of numbers in computation | Multiplying numbers Dividing numbers Reading mathematical tablesDiscussions Demonstrations ExercisesExercises in given class | Mathematical tables | Discovering secondary mathematics Book 2Pages 12-13Secondary mathematics KLB book 2 page 6KLB teachers? guide book 2 page 5-6Golden tips mathematics pages 64 |  |
| 6 | Indices And Logarithms | Indices (powers) and base | By the end of the lesson, the learner should be able to:Define indices Express numbers in index formExpress indices in number form | Multiplying numbers Dividing numbers Factorizing numbers Reading mathematical tablesDiscussionsExercises in given class | Logarithm tables Charts illustrations laws of indices | Discovering secondary mathematics Book 2 Page 7Secondary mathematics KLB book 2 page 7KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 44-46 |  |
| 7 | Indices And Logarithms | Laws of Indices | By the end of the lesson, the learner should be able to:State laws of indices regarding negative indicesState laws of indices fractional indices Apply the laws of indices in calculation | Multiplying numbers Dividing numbers Factorizing numbers Reading mathematical tablesDiscussionsExercises in given class | Logarithm tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 7-11Secondary mathematics KLB book 2 page 8-13 KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 44-46 |  |
| **3** | 1 | Indices And Logarithms | Powers of 10 and common logarithms | By the end of the lesson, the learner should be able to:Relate the powers of 10 to common logarithms Identify the parts of the logarithms i.e characteristic mantissa | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 15Secondary mathematics KLB book 2 page 16-17 KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 52 |  |
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|  | 2 | Indices And Logarithms | Logarithms of positive numbers less than one | By the end of the lesson, the learner should be able to:Find the logarithm of a number less than 1 from mathematical tables Apply the logarithms of numbers less than one in computation | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 15Secondary mathematics KLB book 2 page 18KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 52 |  |
| 3 | Indices And Logarithms | Logarithms of positive numbers less than one | By the end of the lesson, the learner should be able to:Find the logarithm of a number less than 1 from mathematical tables Apply the logarithms of numbers less than one in computation | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 15Secondary mathematics KLB book 2 page 18KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 52 |  |
| 4 | Indices And Logarithms | Logarithms of numbers less than ten (X<10) | By the end of the lesson, the learner should be able to:Find the logarithm numbers less than 10 but greater than 1Apply the logarithms of numbers less than 10 but greater than 1 in computation | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 16Secondary mathematics KLB book 2 page 18KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 54 |  |
| 5 | Indices And Logarithms | Logarithms of numbers greater than ten | By the end of the lesson, the learner should be able to:Find the logarithm numbers greater than 10 Apply the logarithms of numbers l greater than 10 in computation | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 16Secondary mathematics KLB book 2 page 18KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 54 |  |
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|  | 6 | Indices And Logarithms | Antilogarithms | By the end of the lesson, the learner should be able to:Find antilogarithms of numbersApply the antilogarithms of numbers in numericals | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 17Secondary mathematics KLB book 2 page 19KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 54 |  |
| 7 | Indices And Logarithms | Antilogarithms | By the end of the lesson, the learner should be able to:Find antilogarithms of numbersApply the antilogarithms of numbers in numericals | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 17Secondary mathematics KLB book 2 page 19KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 54 |  |
| **4** | 1 | Indices And Logarithms | Multiplication of numbers division of numbers | By the end of the lesson, the learner should be able to:Use logarithms to work out the multiplication of numbersUse logarithms to work out the division of numbers | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 18Secondary mathematics KLB book 2 page 20KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 55 |  |
| 2 | Indices And Logarithms | Combines multiplication and division of numbers | By the end of the lesson, the learner should be able to:Combine multiplication and division of numbers to work out logarithm problems | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 19Secondary mathematics KLB book 2 page 20KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 56 |  |
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|  | 3 | Indices And Logarithms | Negative characteristics Application of logarithms | By the end of the lesson, the learner should be able to:Use negative logarithms Apply the knowledge of logarithms and indices in daily computation Find roots and squares of numbers using logarithms | Multiplying numbers Dividing numbers Factorizing numbers DiscussionsExercises in given class | Mathematical tables Charts illustrating laws of indices | Discovering secondary mathematics Book 2 Page 20Secondary mathematics KLB book 2 page 18KLB teachers? guide book 2 page 7-8Golden tips mathematics pages 55 |  |
| 4 | Gradients And Equations Of Straight Lines | Gradient of a straight line | By the end of the lesson, the learner should be able to:Define gradient of a straight line ? Education Plus Agencies Determine the gradient of a straight line through known points | Drawing linear graphs Plotting co-ordinates on the Cartesian plane Reading co-ordinates of points on the Cartesian plane | Square boards Graph books Straight edged ruler Real life situation | Discovering secondary mathematics Book 2 Page 25-23Secondary mathematics KLB book 2 page 27-34 KLB teachers? guide book 2 page 14-15Golden tips mathematics pages 174 |  |
| 5 | Gradients And Equations Of Straight Lines | equation of a straight line | By the end of the lesson, the learner should be able to:Determine the equation f a straight line using gradient and a known pointDetermine the equation of a straight line given two points | Drawing linear graphs Plotting co-ordinates on the Cartesian plane Reading co-ordinates of points on the Cartesian plane | Square boards Graph books Straight edge/ruler Real life situation | Discovering secondary mathematics Book 2 Page 25-26Secondary mathematics KLB book 2 page 34-35 KLB teachers? guide book 2 page 14-15Golden tips mathematics pages 171 |  |
| 6 | Gradients And Equations Of Straight Lines | General equation of a straight line | By the end of the lesson, the learner should be able to:Express the equation of a straight line in the form of y=mx+cInterpret the equation y=mx+c | Drawing linear graphs Plotting co-ordinates on the Cartesian plane Reading co-ordinates of points on the Cartesian plane | Square boards Graph books Straight edge/rulers Real life situation | Discovering secondary mathematics Book 2 Page 27Secondary mathematics KLB book 2 page 34KLB teachers? guide book 2 page 14-15Golden tips mathematics pages 171 |  |
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|  | 7 | Gradients And Equations Of Straight Lines | The intercept of a straight line | By the end of the lesson, the learner should be able to:Find the x and the y intercept of a straight lineExpress a double intercept equation of a straight line | Drawing linear graphs Plotting co-ordinates on the Cartesian plane Reading co-ordinates of points on the Cartesian plane | Square boards Graph books Straight edge/rulers Real life situation | Discovering secondary mathematics Book 2 Page 28Secondary mathematics KLB book 2 page 36KLB teachers? guide book 2 page 14-15Golden tips mathematics pages 171 |  |
| **5** | Midterm exams |
| **6** | 1 | Gradients And Equations Of Straight Lines | The gradient of parallel lines | By the end of the lesson, the learner should be able to:Find the gradient of parallel linesRelate parallel lines in terms of their gradients | Drawing linear graphs Plotting co-ordinates on the Cartesian plane Reading co-ordinates of points on the Cartesian plane | Square boards Graph books Straight edge/ rulers Real life situation | Discovering secondary mathematics Book 2 Page 29Secondary mathematics KLB book 2 page 43-44 KLB teachers? guide book 2 page 14-15Golden tips mathematics pages 175 |  |
| 2 | Gradients And Equations Of Straight Lines | The gradient of parallel lines | By the end of the lesson, the learner should be able to:Find the gradient of parallel linesRelate parallel lines in terms of their gradients | Drawing linear graphs Plotting co-ordinates on the Cartesian plane Reading co-ordinates of points on the Cartesian plane | Square boards Graph books Straight edge/ rulers Real life situation | Discovering secondary mathematics Book 2 Page 29Secondary mathematics KLB book 2 page 43-44 KLB teachers? guide book 2 page 14-15Golden tips mathematics pages 175 |  |
| 3 | Gradients And Equations Of Straight Lines | The gradient of perpendicular lines | By the end of the lesson, the learner should be able to:Find the gradient of perpendicular l lines Relate perpendicular lines in terms of their gradients | Drawing linear graphs Plotting co-ordinates on the Cartesian plane Reading co-ordinates of points on the Cartesian plane | Square boards Graph books Straight edge/ rulers Real life situation | Discovering secondary mathematics Book 2 Page 30Secondary mathematics KLB book 2 page 41-43 KLB teachers? guide book 2 page 14-15Golden tips mathematics pages 172 |  |
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|  | 4 | Reflection And Congruence | Geometric transformation (reflection) | By the end of the lesson, the learner should be able to:State the properties of reflectionConstruct and identify the images and the objects in a reflection using the properties Make geometrical deductions using reflection | Observing objects in plane mirrors Identifying the objects and their images in a plan mirrorDrawing Identifying lines of symmetryIdentifying the mirror line in a plane mirror | Mirrors Cartesian planeVarious symmetrical objectsTracing and graph papersReal life experiences | Discovering secondary mathematics Book 2 Page 32Secondary mathematics KLB book 2 pageKLB teachers? guide book 2 page 14-20Golden tips mathematics pages 230 |  |
| 5 | Reflection And Congruence | Lines and planes of symmetry | By the end of the lesson, the learner should be able to:Identify the line of symmetry in a reflection Relate lines and planes of symmetry | Observing objects in plane mirrors Identifying the objects and their images in a plan mirrorDrawing Identifying lines of symmetryIdentifying the mirror line in a plane mirror | Mirrors Cartesian planeVarious symmetrical objectsTracing and graph papersReal life experiences | Discovering secondary mathematics Book 2 Page 32Secondary mathematics KLB book 2 page 46-48 KLB teachers? guide book 2 page 19-20Golden tips mathematics pages 230 |  |
| 6 | Reflection And Congruence | Reflection in the Cartesian plane | By the end of the lesson, the learner should be able to:Apply the properties of a rotation in the Cartesian plane | Observing objects in plane mirrors Identifying the objects and their images in a plan mirrorDrawing Identifying lines of symmetryIdentifying the mirror line in a plane mirror | Mirrors Cartesian planeVarious symmetrical objectsTracing and graph papersReal life experiences | Discovering secondary mathematics Book 2 Page 37Secondary mathematics KLB book 2 page 48KLB teachers? guide book 2 page 19-20Golden tips mathematics pages 230 |  |
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|  | 7 | Reflection And Congruence | Congruent triangles | By the end of the lesson, the learner should be able to:Identify congruency Solve problems involving congruency | Observing objects in plane mirrors Identifying the objects and their images in a plan mirrorDrawing Identifying lines of symmetryIdentifying the mirror line in a plane mirror | Mirrors Cartesian planeVarious symmetrical objectsTracing and graph papersReal life experiences | Discovering secondary mathematics Book 2 Page 39Secondary mathematics KLB book 2 page 64-65 KLB teachers? guide book 2 page 19-20Golden tips mathematics pages 230 |  |
| **7** | 1 | Reflection And Congruence | Congruent figures | By the end of the lesson, the learner should be able to:Identify figures which are congruent through reflection | Observing objects in plane mirrors Identifying the objects and their images in a plan mirrorDrawing Identifying lines of symmetryIdentifying the mirror line in a plane mirror | Mirrors Cartesian planeVarious symmetrical objectsTracing and graph papersReal life experiences | Discovering secondary mathematics Book 2 Page 40-41Secondary mathematics KLB book 2 page 66KLB teachers? guide book 2 page 19-20Golden tips mathematics pages 230 |  |
| 2 | Rotation | The properties s of rotation | By the end of the lesson, the learner should be able to:Define rotation as a transformationState the properties of a rotation as a transformation | Rotating objects Measuring angles/lengths Drawing objects Identifying the lines of symmetry | Square boards Graph papers Geometrical instrumentsTracing paper and real life situations | Discovering secondary mathematics Book 2 Page 44-45Secondary mathematics KLB book 2 page 73KLB teachers? guide book 2 page 24-25Golden tips mathematics pages 228 |  |
| 3 | Rotation | Center of angle of rotation | By the end of the lesson, the learner should be able to:Rotate objects through a given angle of rotation and center of rotation Establish the angle of rotation given an object and its image | Rotating objects Measuring angles/lengths Drawing objects Identifying the lines of symmetry | Square boards Graph papers Geometrical instruments Tracing paper real life situations | Discovering secondary mathematics Book 2 Page 46Secondary mathematics KLB book 2 page 74KLB teachers? guide book 2 page 24-25Golden tips mathematics pages 228 |  |
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|  | 4 | Rotation | Center of angle of rotation | By the end of the lesson, the learner should be able to:Rotate objects through a given angle of rotation and center of rotation Establish the angle of rotation given an object and its image | Rotating objects Measuring angles/lengths Drawing objects Identifying the lines of symmetry | Square boards Graph papers Geometrical instruments Tracing paper real life situations | Discovering secondary mathematics Book 2 Page 46Secondary mathematics KLB book 2 page 74KLB teachers? guide book 2 page 24-25Golden tips mathematics pages 228 |  |
| 5 | Rotation | Rotation in a Cartesian plane | By the end of the lesson, the learner should be able to:Apply the properties of rotation in the Cartesian plane | Rotating objects Measuring angles/lengths Drawing objects Identifying the lines of symmetry | Square boards Graph papers Geometrical instruments Tracing paper real life situations | Discovering secondary mathematics Book 2 Page 47Secondary mathematics KLB book 2 page 75KLB teachers? guide book 2 page 24-25Golden tips mathematics pages 228 |  |
| 6 | Rotation | Rotational symmetry | By the end of the lesson, the learner should be able to:Identify point of rotational symmetry State the order of rotational symmetry of plane figuresIdentify the axis of rotational symmetry | Rotating objects Measuring angles/lengths Drawing objects Identifying the lines of symmetry | Square boards Graph papers Geometrical instruments Tracing paper real life situations | Discovering secondary mathematics Book 2 Page 49Secondary mathematics KLB book 2 page 78KLB teachers? guide book 2 page 24-25Golden tips mathematics pages 228 |  |
| 7 | Rotation | Congruence and Rotation | By the end of the lesson, the learner should be able to:Deduce congruence from rotation | Rotating objects Measuring angles/lengths Drawing objects Identifying the lines of symmetry | Square boards Graph papers Geometrical instruments Tracing paper real life situations | Discovering secondary mathematics Book 2 Page 48Secondary mathematics KLB book 2 page 84KLB teachers? guide book 2 page 24-25Golden tips mathematics pages 228 |  |
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| **8** | 1 | Similarity And Enlargement | Similar figures | By the end of the lesson, the learner should be able to:Identify similar figures Construct similar figures | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 52Secondary mathematics KLB book 2 page 87KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
| 2 | Similarity And Enlargement | Similar figures | By the end of the lesson, the learner should be able to:Identify similar figures Construct similar figures | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 52Secondary mathematics KLB book 2 page 87KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
| 3 | Similarity And Enlargement | Properties of enlargement | By the end of the lesson, the learner should be able to:State the properties of enlargement as a transformationApply the properties of enlargement to construct objects and images | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 52Secondary mathematics KLB book 2 page 97KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
| 4 | Similarity And Enlargement | Enlargement | By the end of the lesson, the learner should be able to:State the scale factor State the center of enlargement | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 57-58Secondary mathematics KLB book 2 page 97KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
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|  | 5 | Similarity And Enlargement | Enlargement on the Cartesian plane | By the end of the lesson, the learner should be able to:Apply enlargement on Cartesian planes | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 61-62Secondary mathematics KLB book 2 page 97KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
| 6 | Similarity And Enlargement | Enlargement on the Cartesian plane | By the end of the lesson, the learner should be able to:Apply enlargement on Cartesian planes | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 61-62Secondary mathematics KLB book 2 page 97KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
| 7 | Similarity And Enlargement | Linear, area and volume scale factors | By the end of the lesson, the learner should be able to:Determine linear scale factorDetermine area scale factorsDetermine volume scale factorsRelate area scale factor, volume scale factor, and linear scale factor | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 62-65Secondary mathematics KLB book 2 page 97-110 KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
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| **9** | 1 | Similarity And Enlargement | Areas of similar figures | By the end of the lesson, the learner should be able to:Apply volume area and linear scale factors in establishing areas of similar figures | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 62-64Secondary mathematics KLB book 2 page 106-108KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
| 2 | Similarity And Enlargement | Volume of similar figures | By the end of the lesson, the learner should be able to:Apply knowledge of linear scale factor and volume scale factor to determine values of similar figures | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 64-65Secondary mathematics KLB book 2 page 109-111KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 125 |  |
| 3 | Similarity And Enlargement | Application of scale factors in real life situations | By the end of the lesson, the learner should be able to:Apply knowledge of linear scale factor and volume scale factor to determine values of similar figures | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 66Secondary mathematics KLB book 2 page 109-111-112KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 128 |  |
| 3 | Similarity And Enlargement | Application of scale factors in real life situations | By the end of the lesson, the learner should be able to:Apply knowledge of linear scale factor and volume scale factor to determine values of similar figures | Identifying similar figuresTracing figures Constructing similar figuresenlarging figures Drawing figures on the Cartesian plane measuring lengths/ angles | Geometrical instruments Model maps Photographs Charts illustrating similarity and enlargement | Discovering secondary mathematics Book 2 Page 66Secondary mathematics KLB book 2 page 109-111-112KLB teachers? guide book 2 page 27-28Golden tips mathematics pages 128 |  |
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|  | 4 | Pythagoras Theorem | Pythagoras Theorem | By the end of the lesson, the learner should be able to:Derive Pythagoras Theorem | Deriving Pythagoras Theorem | Chalkboard ChartsIllustrating derived theorem | KLB BK2 Pg 120Macmillan BK 2Pg 105Advancing in Math BK 2 Pg 86-88 |  |
| 5 | Pythagoras Theorem | Solutions of problems Using Pythagoras Theorem | By the end of the lesson, the learner should be able to:Solve problems using PythagorasTheorem | Solving problems using Pythagoras theorem | Charts illustrating Pythagoras theorem | KLB BK2 Pg 121Macmillan BK 2Pg 106Advancing in Math BK 2 Pg 89-90 |  |
| 6 | Pythagoras Theorem | Application to real life Situation | By the end of the lesson, the learner should be able to:Use the formula A = ? s(s-a)(s-b)(s-c)to solve problems in real life | Solving problems in real life using the formulaA = ?s(s-a)(s-b)(s-c) | Mathematical table | KLB BK2 Pg 159Macmillan BK 2Pg 143Advancing in Math BK 2 Pg 115 |  |
| 7 | Pythagoras Theorem | Trigonometry Tangent, sine and cosines | By the end of the lesson, the learner should be able to:Define tangent, sine and cosine ratiosfrom a right angles triangle | Defining what a tangent, Cosine and sine are using a right angled triangle | Charts illustrating tangent, sine and cosine | KLB BK2Pg 123,132,133Macmillan BK 2Pg 112Advancing in Math BK 2 Pg 94-95 |  |