**MATHEMATICS SCHEMES OF WORK**

**STANDARD 6, 2019**

**MATHEMATICS SCHEME OF WORK CLASS 6**

**TERM 1**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WEEK** | **LESSON** | **TOPIC** | **SUB TOPIC** | **OBJECTIVES** | **T/L ACTIVITIES** | **T/LEARNING RESOURCES**  | **REFF** | **REM** |
| **1** | **Opening and Revisions** |  |
| **2** | **1&2** | **NUMBERS****WHOLE NUMBERS** | **Place value and total value.** | By the end of the lesson learners should be able to:a) recognize and identify placevalue and total value uptohundreds of millionsb) read and write numbers up tomillions in symbols and inwords | * The teacher will write a number on the chalk board.
* Let learners identify the place value of the digits in the number.
* Reading numbers aloud.
* Exercises
 | Chalk board, Exercise booksPrimary pupil’s book | Primary mathematics Pupils book |  |
|  | **3** | **Reading and writing numbers up****to millions in symbols and word.** | By the end of the lesson learners should be able to:Read and write numbers up tomillions in symbols and inwords | * Listing multiples of numbers
* Reading numbers
 | Multiplication tables | Primary mathematics Pupils book  |  |
|  | **4** |  | **Rounding off numbers.** | By the end of the lesson learners should be able to:Round off numbers to thenearest thousands | * Repeat place value.
* Discussion on the difference between place value and total value.
* Working out
 | Multiplication tables | Primary mathematics Pupils book  |  |
|  | **5** | **Divisibility test for 8.**  | By the end of the lesson learners should be able to:Recognize and identifynumbers divisible by eight | * Multiplying numbers
* Dividing Numbers
 | Multiplication tablesCharts with list of whole numbers up to 100 | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **Squares of numbers****1.3.6** **Square roots of perfect squares** | By the end of the lesson learners should be able to a) identify and work outsquares of numbersb) work out squares of up toperfect squares of up to3- digit numbers | identify and work outsquares of numbers | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
| **3** | **1** | **FRACTIONS** | **Reciprocals** | By the end of the lesson learners should be able toa)Recognize and identifyreciprocals of numbersb)Solve problems relating to reciprocal s of numbers | Recognizing and identifyingreciprocals of numbers | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **2&3** |  | **Squares of fractions** | By the end of the lesson learners should be able toRecognize and identifySquares offractions involving perfectsquares | **Working out squares of fractions** | Primary mathematics Pupils book 6**Charts and drawings of squares** | Primary mathematics Pupils book 6 |  |
|  | **4** | **EXERCISE** | Evaluation exercise on whole numbers | By the end of the lesson learners should be able to**Complete an Evaluation exercise on whole numbers** | **Evaluation exercise on** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **5** | Square roots of fractions | By the end of the lesson learners should be able toRecognize and identify square roots offractions involving perfectsquares | **Working out squares roots of fractions** | Primary mathematics Pupils book 6**Charts and drawings of squares** | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | Evaluation exercise on whole numbers | By the end of the lesson learners should be able to**Complete an Evaluation exercise on Fractions** | **Evaluation exercise on Fractions** | Primary mathematics Pupils book 6**Charts and drawings of squares** | Primary mathematics Pupils book 6 |  |
| **4** | **1** | **DECIMALS** | Place value up to 4 decimalplaces | By the end of the lesson learners should be able toRecognize and identify placevalue up to 4 decimal placesgiven | **Recognizing place values****Working on decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **2&3** | Rounding off decimals to a givennumbers of places | By the end of the lesson learners should be able toRound off a number to a givennumber of decimal places | **Practicing rounding off of numbers****Class discussions** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **4** |  | Conversion of fractions todecimals | By the end of the lesson learners should be able toConvert fractions to decimalswith and without recurring | **Practicing rounding off of numbers****Class discussions** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **5** | Conversion of decimals toFractions | By the end of the lesson learners should be able to |  |  | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | Evaluation exercise on Decimals | By the end of the lesson learners should be able to**Complete an Evaluation exercise on Decimals** | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
| **5** | **1** | **PERCENTAGES** | Percentage as a fraction4.2.2 Using the (%) symbol. | By the end of the lesson learners should be able toa)Recognize and identifypercentage as a fraction**b)Work out percentages** | **-Drawing a hundred square grid****-Listing equivalent fractions****-Converting fractions and decimals to percentages** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **2&3** | Conversion of fractions topercentage | By the end of the lesson learners should be able toconvert fractions anddecimals to percentage | **Converting fractions/Decimals to percentages and vice versa** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **4** | **EXERCISE** | Evaluation exercise on Percentages | By the end of the lesson learners should be able to**Complete an Evaluation exercise on percentages** | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **5** | Conversion of decimals toPercentage  | By the end of the lesson learners should be able toConvert decimals topercentages | **-Converting decimals to fractions****-Converting fractions and decimals to percentage** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | Evaluation exercise on Percentages | By the end of the lesson learners should be able to**Complete an Evaluation exercise on percentages** | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
| **6** | **1&2** | convert percentage tofractions and decimals | By the end of the lesson learners should be able toConvert percentage tofractions and decimalsmultiply a fraction by afraction and mixed numbersby a fraction | **Converting fractions/Decimals to percentages and vice versa** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **3** | Conversion of percentage todecimals | By the end of the lesson learners should be able toconvert percentages tofractions and decimals | **Converting percentages to fractions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **4** | **EXERCISE** | Evaluation exercise  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **5** |  | Conversion of percentage todecimals | By the end of the lesson learners should be able toa)Divide a whole number by afractionb)Divide a fraction by a fraction | **-Convert fractions/decimals into percentages and vise versa****-Work out fractions of given quantities and vise versa****-Calculating amount from percentages** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **6&7** |  | Conversion of percentage todecimals | By the end of the lesson learners should be able toa)Work out division involvingmixed numbersb) Recognize and identifynumber sequence involvingfractions | **-Convert fractions/decimals into percentages and vise versa****-Work out fractions of given quantities and vise versa****-Calculating amount from percentages** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **7** | **Mid Term Exams and Closing** |  |
| **8** | **1** | **OPERATIONS****WHOLE NUMBERS** | Addition and subtraction ofnumbers | By the end of the lesson learners should be able to:Add and subtract numbers |  | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **2** |  | Multiplication of numbers | By the end of the lesson learners should be able to:Multiply numbers | **Work on numbers****Class discussions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **3&4** |  | Division of up to 5- digitnumbers by up to 2- digitnumbers with divisor less thenthe dividend | By the end of the lesson learners should be able to:Divide up to 5- digit numbersby up to 2- digit numbers | **Dividing numbers** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **5** |  | Number sequences | By the end of the lesson learners should be able to:Recognize and identify simplenumber sequence | -multiples of numbersReading numbers | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **6&7** |  | Working out problems involvingLCM and GCD | By the end of the lesson learners should be able to:Work out problems involvingLCM and GCD in real life | -Listing multiples of numbersReading numbers | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **9** | **1&2** | **FRACTIONS** | Addition offractions | By the end of the lesson learners should be able to:Work out problems relating to Addition of fractionsMultiply a fraction by afraction and mixed numbersby a fraction | **-Addition of fraction****-Subtracting fractions and mixed numbers** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **3** |  | Subtraction offractions | By the end of the lesson learners should be able to:Work out problems relating to subtraction of fractions | **-Addition of fraction****-Subtracting fractions and mixed numbers** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **4** | Addition offractions and mixed numbers | By the end of the lesson learners should be able to:Work out problems relating to addition of fractions and mixed numbers | **-Addition of fraction****-Subtracting fractions and mixed numbers** | rimary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **5** | Subtraction offractions and mixed numbers | By the end of the lesson learners should be able to:Work out problems relating to subtraction fractions and mixed numbers | **-Addition of fraction****-Subtracting fractions and mixed numbers** | rimary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **Multiplication of fractions by****fractions Multiplication of mixed numbers****by fractions** | By the end of the lesson learners should be able to:divide a whole number by afraction | **-Multiplying fractions by fractions****-Class discussion of multiplying fractions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **10** | **1** | **Division of a whole number by a****fraction** | By the end of the lesson learners should be able to:recognize and identifynumber sequence involvingfractions | **-Dividing of whole numbers** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **2&3** |  | **Division of a fraction by a****fraction****Division involving mixed****numbers****Number sequence involving****fractions** | By the end of the lesson learners should be able toa)Divide fraction by afraction**b)** Do division involving mixednumbers**c)Wok out n**umber sequence involvingfractions | **-Dividing of fraction by a fraction****-Revise on division involving numbers****-Revise and work out numbers sequence involving fractions** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **4** | **Addition and subtraction of****decimals** | By the end of the lesson learners should be able to:Add and subtract decimals upto 4 decimal places | **-Practice addition of decimals****-Work out subtraction of decimals** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **5&6** | **Multiplication of decimals by****decimals****Division of decimals by whole****numbers** | By the end of the lesson learners should be able to:Multiply decimals withproducts not exceeding 4decimal placesDivide decimals by wholenumbers and vice versa | **-Multiplying of decimals****-Dividing decimals by whole numbers and vice versa** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **7** |  | **Division of whole numbers by a****decimal** | By the end of the lesson learners should be able to:Divide a decimal by a decimal | **Dividing whole numbers by a decimal** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **11** | **1&2** | **Division of whole numbers by a****decimal** **Division of a decimal by a****decimal** | By the end of the lesson learners should be able to: | **Dividing a decimal by a decimal** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **3** | **PERCENTAGES** | **Percentage of quantities** | By the end of the lesson learners should be able to:The leanershould be able to work outquantities given | **-Work out quantities****-Discuss quantities** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **Percentage of quantities** | By the end of the lesson learners should be able to:The leanershould be able to work outquantities given | **-Work out quantities****-Discuss quantities** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **4** | **MEASUREMENT****LENGTH** | **Millimetre as a unit of length** | By the end of the lesson learners should be able to:Recognize and identifymillimeters as a unit ofmeasuring length | **-Identifying millimeters****-Measuring length** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **5** | **Conversion of millimeters to****centimeters and vice versa** | By the end of the lesson learners should be able to:Convert millimeters tocentimeters and centimetersto millimeters | **-Millimeters and centimeters conversion** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **6&7** |  | **Pi ( ) as a relationship between****circumference and diameter,****practically** | By the end of the lesson learners should be able to:Recognize and identify pi( )as a relationship betweencircumference and diameter | **-Recognizing and identifying circumference and diameter** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **12** | **1&2** | **Circumference of a circle** | By the end of the lesson learners should be able to:work out problems involvingcircumference of a circle | **-Asking and answering questions of problems involving circumference of a circle** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **3** | **AREA** | **recognize and identify area****and hectare as units of****measuring areas** | By the end of the lesson learners should be able to:Recognize and identify areaand hectare as units ofmeasuring areas | **-Discussing** **-Asking and answering questions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **4** |  | **work out area of a triangle, a****square and a rectangle** | By the end of the lesson learners should be able to:Work out area of a triangle, asquare and a rectangle | **-Discussing** **-Asking and answering questions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **5** | **work out area of a triangle, a****square and a rectangle** | By the end of the lesson learners should be able to:Work out area of a triangle, asquare and a rectangle | **-Discussing** **-Asking and answering questions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
| **13** | **Revisions and preparations for End Term 1 Exams** |  |
| **14** | **End Term 1 Exams and Closing** |  |
|  | **TEM 11** |  |
| **1** | **Opening and Revisions** |  |
| **2** | **1&2** | **VOLUME** | **Cubic metre (m3) as a unit of****measuring volume** | By the end of the lesson learners should be able to:recognize and identify Cubic metre (m3) as a unit ofmeasuring volume | **-Discussing** **-Asking and answering questions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **3** |  | **Conversion of cubic metres to****cubic centimeters and vice versa** | By the end of the lesson learners should be able to:convert cubic metre (m3) tocubic centimeter (cm3) andcubic centimeters to cubicmetre | **-Discussing** **-Asking and answering questions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **4** | **Volumes of cubes and cuboids** | By the end of the lesson learners should be able to:work out problems involvingvolume of cubes and cuboidsin cubic metre (m3) and cubiccentimeter (cm3) | **-Discussing** **-Asking and answering questions****-Measuring volumes** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **5** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **CAPACITY** | **Decilitre (dl) as a unit of measuring****capacity** | By the end of the lesson learners should be able to:Recognize and identifydeciliter as a unit ofMeasuring capacity. | **-Measure capacity****-Askind ans answering quations****-Discussions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **3** | **1&2** |  | By the end of the lesson learners should be able to: |  | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **3** | **Conversion of mililitres to litres****and litres to deciliters and vice****versa** | By the end of the lesson learners should be able to:Convert litres to milliliters,litres to deciliters anddeciliters to litre | **-Measure capacity****-Askind ans answering quations****-Discussions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **4** |  | **Addition and subtraction involving****litres, milliliters and deciliters** | By the end of the lesson learners should be able to:Add and subtract litres, milliliters and deciliters | **-Measure capacity****-Askind ans answering quations****-Discussions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **5** | **Multiplication and division****involving litres, deciltres and****milliliters** | By the end of the lesson learners should be able to:Multiply and divide litres, deciltres and milliliters | **-Measure capacity****-Askind ans answering quations****-Discussions** | Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
| **4** | **1&2** | **MASS** | **Tonne (t) as a unit of measuring****mass**  | By the end of the lesson learners should be able to:Recognize and identify thetone (t) as a unit ofmeasuring mass | **-Measure mass****-Askind ans answering questions E-mail: infosnkenya@gmail.com |** **-Discussions** | Primary mathematics Pupils book 6**Charts and drawings****Containers that can hold liquid** | Primary mathematics Pupils book 6 |  |
|  | **3** |  | **Conversion involving tones (t),****kilogram (kg) and grams (g).** | By the end of the lesson learners should be able to:convert tones to kilograms,kilograms to grams andgrams to kilograms to grams | **-Measure mass****-Askind ans answering quations****-Discussions** | Primary mathematics Pupils book 6**Charts and drawings****Containers that can hold liquid** | Primary mathematics Pupils book 6 |  |
|  | **4** | **Operations involving tone (t),****kilogram (kg) and gram (g).** | By the end of the lesson learners should be able to:Work out problem involvingunits of mass | **-Measure mass****-Askind ans answering quations****-Discussions** | Primary mathematics Pupils book 6**Charts and drawings****Containers that can hold liquid** | Primary mathematics Pupils book 6 |  |
|  | **5** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **Revision** | **Revision** | **Revision** | **Revision** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
| **5** | **1&2** | **MONEY** | **Bills in buying and selling** | By the end of the lesson learners should be able to:Work out problems involvingbills in buying and selling | **-Discuss buying and selling****-Calculate loses and profits****-Asking and answering questions** | **Class shop**, buying and selling items,Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **3** | **Profit and loss** | By the end of the lesson learners should be able to:Work out problems involvingprofit and loss | **-Discuss buying and selling****-Calculate loses and profits****-Asking and answering questions** | **Class shop**, buying and selling items,Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **4** | **Percentage profit and loss** | By the end of the lesson learners should be able to:Work out percentageinvolving profit and loss | **-Discuss buying and selling****-Calculate loses and profits****-Asking and answering questions** | **Class shop**, buying and selling items,Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **5** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | **Class shop**, buying and selling items,Primary mathematics Pupils book 6**Charts and drawings** | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **Class -work**  | **Class Discussions** | By the end of the lesson learners should be able to:**Be able to interact and help one another in difficult areas.** | **-Interacting and discussions****-Helping one another.** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
| **6** | **1&2** | **TIME AND SPEED** | **Converting minutes to seconds****and seconds to minutes** | By the end of the lesson learners should be able to:Convert units of time fromone to another | **-Interacting and discussions****-Helping one another.****Reading Time** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **3** | **Converting of the 12 hour system****to 24 hours system and24 hour****System to 12 hour system.** | By the end of the lesson learners should be able to:Convert time from one systemto another | **-Interacting and discussions****-Helping one another.****Reading Time****-Calculating Time** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **4** | **Reading and interpreting air, bus****and train time tables** | By the end of the lesson learners should be able to:recognize and identify speedas distance covered in unittime | **-Interacting and discussions****-Helping one another.****Reading Time****-Calculating Time** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **5** |  | **Speed in kilometers per hour****(km/h) and metres per****second(m/s** | By the end of the lesson learners should be able to:Read and interpret air, bus andtrain time tables | **-Interacting and discussions****-Helping one another.****Reading Time****-Calculating Time** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **Work out problems involving****speed** | By the end of the lesson learners should be able to:Work out problems involvingspeed in m/s and km/h | **-Interacting and discussions****-Helping one another.****Reading Time****-Calculating Time** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
| **7** | **Mid Term 11 Exams and Closing** |  |
| **8** | **1** | **GEOMETRY****LINES** | **Drawing lines****using rulers and pair of****compasses** | By the end of the lesson learners should be able to:Draw linesusing rulers and pair ofcompasses | **-Helping one another.****Reading Time****-Drawing and bisecting lines** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **2&3** | **Bisecting lines****using rulers and pair of****compasses** | By the end of the lesson learners should be able to:Bisect linesusing rulers and pair ofcompasses | **-Helping one another.****Reading Time****-Drawing and bisecting lines** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **4** |  | **Perpendicular lines** | By the end of the lesson learners should be able to:Construct perpendicular lines using a ruler and a pair of compasses | **-Helping one another.****Reading Time****-Drawing and bisecting lines** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **5** | **Parallel lines from a point on the****line** | By the end of the lesson learners should be able to:Construct per parallel lines using a ruler and a pair of compasses |  | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses **Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **9** | **1** | **ANGLES** | **Vertically opposite angles** | By the end of the lesson learners should be able to:Recognize identify andmeasure vertically opposite angles | **-Helping one another.****Reading Time****-Drawing angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **2&3** | **Supplementary angles** | By the end of the lesson learners should be able to:Recognize identify andmeasure supplementary angles | **-Helping one another.****Reading Time****-Drawing angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **4** |  | **Construction of 90 o, 60 o, 120 o****45 o, 30 o, 75 o and 15 o** | By the end of the lesson learners should be able to:Construct 90o, 60 o, 120 o, 45 o,30 o, 75 o and 15 o using | **-Helping one another.****Reading Time****-Drawing angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **5** | **Bisecting angles** | By the end of the lesson learners should be able to:Bisect angles using a pair ofcompasses and a ruler | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses **Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **10** | **1** | **Drawing triangles** | By the end of the lesson learners should be able to:Draw a triangle using aprotractor and a ruler | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
| **10** | **2&3** |  | **Interior and exterior angles of a****triangle** | By the end of the lesson learners should be able to:Recognize and identify angleproperties of triangles | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **4** | **Making patterns** | By the end of the lesson learners should be able to:Make patterns involvingsquares, triangles and | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **5** | **CIRCLES** | **Drawing circles** | By the end of the lesson learners should be able to:Draw circles using pair ofcompasses | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses **Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **11** | **1&2** |  | **Centre, radius and diameter of a****circles.** | By the end of the lesson learners should be able to:Draw circles using pair ofcompasses | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **3** |  | **Sectors of circles** | By the end of the lesson learners should be able to:Recognize and identify asector as a part of a circle | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **4** | **Making patterns** | By the end of the lesson learners should be able to:Make patterns using circles | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **5** | **MODELS** | **Cubes and cuboids** | By the end of the lesson learners should be able to:Recognize and identifyedges, faces and vertices ofcubes and cuboids | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **Nets of cubes and cuboids** | By the end of the lesson learners should be able to:Make models of cubes andcuboids | **-Helping one another.****Reading Time****-Drawing angles****-Bisecting angles** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses | Primary mathematics Pupils book 6 |  |
| **13** | **Revision and preparation for End Term 11 Exams** |  |
| **14** | **End Term 11 Exams and Closing** |  |
| **TERM 111** |
| **1** | **Opening and Revisions** |  |
| **2** | **1&2** | **ALGEBRA** | **Use of brackets in algebraic****expressions** | By the end of the lesson learners should be able to: | **-Helping one another.****-Discuss algebra** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **2&3** | **Simplifying algebraic****expressions** | By the end of the lesson learners should be able to:Simplify algebraicexpressions | **-Helping one another.****-Discuss algebra** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **4** | **Equations in one unknown** | By the end of the lesson learners should be able to:Solve equations in oneunknown | **-Helping one another.****-Discuss algebra** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **5** | **The symbols greater than (>) and****less than (<). 22.2.5** | By the end of the lesson learners should be able to:Compare quantities using‘greater than’, ‘less than’ and‘equal to’ symbol | **-Helping one another.****-Discuss algebra** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6**Charts and drawings** ruler pair ofcompasses **Charts and drawings** | Primary mathematics Pupils book 6 |  |
| **3** | **1** | **TABLES AND GRAPHS** | **Tables** | By the end of the lesson learners should be able to:Represent data from tables ongraphs | **-Helping one another.****-Discuss algebra****-Drawing tables** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **2&3** | **Bar graphs** | By the end of the lesson learners should be able to:Read and interpretinformation, | **-Helping one another.****-Discuss algebra****-Drawing tables** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **4** | **Line graph** | By the end of the lesson learners should be able to:Recognize, identify and workout arithmetic means of agiven data | **-Helping one another.****-Discuss algebra****-Drawing tables** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **5** | **Pie charts** | By the end of the lesson learners should be able to:Recognize, identify and workout arithmetic means of agiven data | **-Helping one another.****-Discuss algebra****-Drawing tables** | Primary mathematics Pupils book 6**Charts and drawings**  | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
| **4** | **1** |  | **Travel graphs** | By the end of the lesson learners should be able to:Recognize, identify and workout arithmetic means of agiven data | **-Helping one another.****-Discuss algebra****-Drawing tables** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **2&3** | **Travel graphs** | By the end of the lesson learners should be able to:Recognize, identify and workout arithmetic means of agiven data | **-Helping one another.****-Discuss algebra****-Drawing tables** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **4** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **5** | **SCALE DRAWING** | **Interpreting drawing using linear****scale** | By the end of the lesson learners should be able toRead, interpret and writelinear scales in statementform | **-Helping one another.****-Discuss algebra****-Scale drawing** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **Reading and writing linear scales****in statement form** | By the end of the lesson learners should be able toread, interpret and writelinear scales in statementform | **-Helping one another.****-Discuss algebra****-Scale drawing** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
| **5** | **1** | **Making scale drawings** | By the end of the lesson learners should be able tomake scale drawing | **-Helping one another.****-Discuss algebra****-Scale drawing** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **2&3** |  | **Reading and writing linear scales****in statement form** | By the end of the lesson learners should be able toread, interpret and writelinear scales in statementform | **-Helping one another.****-Discuss algebra****-Scale drawing** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **4** | **Making scale drawings** | By the end of the lesson learners should be able tomake scale drawing | **-Helping one another.****-Discuss algebra****-Scale drawing** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **5** | **Making scale drawings** | By the end of the lesson learners should be able tomake scale drawing | **-Helping one another.****-Discuss algebra****-Scale drawing** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
|  | **6&7** | **EXERCISE** | **Evaluation exercise**  | By the end of the lesson learners should be able to**Complete an Evaluation exercise**  | **Evaluation exercise on Decimals** | Primary mathematics Pupils book 6 | Primary mathematics Pupils book 6 |  |
| **6-8** | **Revisions and preparations for End Term 111 Exams** |  |
| **9** | **End Term 111 Exams and Closing** |  |