**MATHEMATICS SCHEMES OF WORK FOR CLASS 7 TERM THREE 2021**

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| WK | LSN | TOPIC/SUB-TOPIC | OBJECTIVES | TEACHING ACTIVITIES | LEARNING ACTIVITIES | RESOURCES | REFERENCE | Comment  |
| 1 | 1 | **Scale drawing**Linear scale in ratio form | By the end of the lesson the learner should be able to convert linear scale into ratio form | -Define a scale.-Convert linear scale into ratio form.-Calculate sums on conversion of linear scale to ratio form.-Give an exercise. | Listening Observe CalculateDo an exercise | Geometrical set | Primary Maths bk7 pg 206-207 |  |
|  | 2 | Conversion of ratio scale to representative scale | By the end of the lesson the learner should be able to convert ratio scale to statement representative scale. | -Review the previous lesson.-Convert ratio scale to statement representative scale.-Give an exercise. | Listening Observe CalculateDo an exercise | Geometrical set | Primary Maths bk7 pg 207-208 |  |
|  | 3 | Making scale drawing | By the end of the lesson the learner should be able to make scale drawing. | -Review the previous lesson.-Make scale drawing.-Give an exercise. | Listening Observe Make scale drawingDo an exercise | Geometrical set | Primary Maths bk7 pg 208-210 |  |
|  | 4 | Making scale drawing | By the end of the lesson the learner should be able to make scale drawing. | -Review the previous lesson.-Make scale drawing.-Give an exercise. | Listening Observe CalculateDo an exercise | Geometrical set | Primary Maths bk7 pg 208-210 |  |
|  | 5 | Revision exercise | By the end of the lesson the learner should be able to do an exercise | Guide learners to do an exercise  | Do an exercise | Geometrical set | Own material |  |
|  | 6 | **Averages**Arithmetic mean | By the end of the lesson the learner should be able to calculate the arithmetic mean. | -State the meaning of arithmetic mean.-Calculate sums on arithmetic mean.-Give an exercise on arithmetic mean. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 212 |  |
|  | 7 | Median  | By the end of the lesson the learner should be able to calculate the median. | -Review the previous lesson.-Calculate the median.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 213-214 |  |
| 2 | 1 | Mode  | By the end of the lesson the learner should be able to calculate the mode. | -Review the previous lesson.-Calculate the mode.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 214-215 |  |
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|  | 2 | **Tables**Interpreting information given on tables | By the end of the lesson the learner should be able to interprete information given on tables. | -State what a table is.-Guide learners on how to interprets information given on a table.-Give an exercise. | Listening Observe interpretsDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 216 |  |
|  | 3 | **Graphs**Bar graphs | By the end of the lesson the learner should be able to draw bar graphs. | -Review the previous lesson.-Guide learners to draw bar graphs.-Lead them in drawing bar graphs using suitable scale.-Give an exercise. | Listening Observe interpretsDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 217-218 |  |
|  | 4 | Bar graphs | By the end of the lesson the learner should be able to draw bar graphs. | -Review the previous lesson.-Guide learners to draw bar graphs.-Lead them in drawing bar graphs using suitable scale.-Give an exercise. | Listening Observe Draw bar graphsDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 218-221 |  |
|  | 5 | Line graphs  | By the end of the lesson the learner should be able to draw line graphs. | -Review the previous lesson.-Guide learners to draw line graphs.-Lead them in drawing line graphs using suitable scale.-Give an exercise. | Listening Observe Draw line graphsDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 222-223 |  |
|  | 6 | Line graphs  | By the end of the lesson the learner should be able to draw line graphs. | -Review the previous lesson.-Guide learners to draw line graphs.-Lead them in drawing line graphs using suitable scale.-Give an exercise. | Listening Observe Draw line graphsDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 223-224 |  |
|  | 7 | Travel graphs | By the end of the lesson the learner should be able to draw travel graphs. | -Review the previous lesson.-Guide learners to draw travel graphs.-Lead them in drawing travel graphs using suitable scale.-Give an exercise. | Listening Observe Draw travel graphsDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 224-225 |  |
|  |  |  |  |  |  |  |  |  |
| 3 | 1 | Travel graphs | By the end of the lesson the learner should be able to draw travel graphs. | -Review the previous lesson.-Guide learners to draw travel graphs.-Lead them in drawing travel graphs using suitable scale.-Give an exercise. | Listening Observe Draw travel graphsDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 225-226 |  |
|  | 2 | Travel graphs | By the end of the lesson the learner should be able to draw travel graphs. | -Review the previous lesson.-Guide learners to draw travel graphs.-Lead them in drawing travel graphs using suitable scale.-Give an exercise. | Listening Observe Draw travel graphsDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 227-228 |  |
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|  | 3 | **Pie charts**Involving degrees | By the end of the lesson the learner should be able to work out sums involving degrees on a pie chart. | -Identify a pie chart.-Lead learners to convert into degrees.-Guide learners to draw pie charts from the table of degrees.-Give an exercise. | Listening Observe ConvertDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 228-229 |  |
|  | 4 | Pie chartsInvolving degrees | By the end of the lesson the learner should be able to work out sums involving degrees on a pie chart.  | -Review the previous lesson.-Lead learners to convert into degrees.-Guide learners to draw pie charts from the table of degrees.-Give an exercise. | Listening Observe ConvertDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 229-230 |  |
|  | 5 | Pie chartsInvolving percentages | By the end of the lesson the learner should be able to calculate percentages on a pie chart. | -Review the previous lesson.-Lead learners to calculate percentages on pie charts.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 231 |  |
|  | 6 | Pie chartsInvolving percentages | By the end of the lesson the learner should be able to calculate percentages on a pie chart. | -Review the previous lesson.-Lead learners to calculate percentages on pie charts.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 232 |  |
|  | 7 | Pie charts involving percentages and degrees | By the end of the lesson the learner should be able to calculate sums involving pie charts on percentages and degrees. | -Review the previous lesson.-Guide learners to calculate percentages and degrees on pie charts.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 230-233 |  |
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| 4 | 1 | **Time**  | By the end of the lesson the learner should be able to work out sums involving time. | -State different times of the day.-Work out sums involving time.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 233 |  |
|  | 2 | Time tables | By the end of the lesson the learner should be able to identify different time tables. | -Review the previous lesson.-Identify different time tables.-Read time from the time tables.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 234 |  |
|  | 3 | Time tables Flight fare | By the end of the lesson the learner should be able to identify the arrival and departure time of different flights on the time tables. | -Review the previous lesson.-Identify arrival and departure time.-Calculate time for the flights using arrival and departure times. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 235-237 |  |
|  | 4 | Time tables | By the end of the lesson the learner should be able to calculate sums on time tables. | -Review the previous lesson.-Calculate time on time tables.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 238 |  |
|  | 5 | Time tablesTrain fares | By the end of the lesson the learner should be able to calculate train fares. | -Review the previous lesson.-Calculate train fares.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 239 |  |
|  | 6 | Time tablesTrain fares | By the end of the lesson the learner should be able to calculate train fares. | -Review the previous lesson.-Calculate train fares.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 240 |  |
|  | 7 | Revision exercise | By the end of the lesson the learner should be able to do an exercise | Guide learners to do an exercise | Do an exercise | Chalkboard Illustrations | Own material |  |
| 5 |  |  **Mid**  | **Term exam**  |  |  |  |  |  |
| 6 | 1 | Speed in km/hr | By the end of the lesson the learner should be able to calculate speed in km/hr. | -State the meaning of speed.-Guide learners to calculate speed in km/hr.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 241 |  |
|  | 2 | Conversion of km/hr to m/s |  By the end of the lesson the learner should be able to convert km/hr to m/s. | -Review the previous lesson.-Calculate speed in km/hr.-Convert km/hr to m/s.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 242 |  |
|  | 3 | Conversion of m/s to km/hr | By the end of the lesson the learner should be able to convert m/s to km/hr. | -Review the previous lesson.-Convert m/s to km/hr.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 243 |  |
|  | 45 | Conversion of m/s to km/hr and vice versa | By the end of the lesson the learner should be able to convert m/s to km/hr and vice versa. | -Review the previous lesson.-Convert m/s to km/hr and vice versa.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard Illustrations  | Primary Maths bk7 pg 244 |  |
|  | 6 | Temperature  | By the end of the lesson the learner should be able to carry out activities on temperature identification. | -Identify temperature of the surroundings.-State what is felt and write down.-Answer questions on the activities. | Listening Observe CalculateDo an exercise | DeskRuler  | Primary Maths bk7 pg 244 |  |
|  | 7 | Temperature  | By the end of the lesson the learner should be able to calculate sums involving temperature increase and decrease. | -Review the previous lesson.-Calculate sums involving temperature increase and decrease.-Give an exercise. | Listening Observe CalculateDo an exercise | thermometer | Primary Maths bk7 pg 2454 |  |
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| 7 | 1 | **Models**Cubes  | By the end of the lesson the learner should be able to identify models of cubes. | -Identify a cube.-Draw model of a cube.-Give an exercise. | Listening Observe CalculateDo an exercise | CubesBoxes  | Primary Maths bk7 pg 246 |  |
|  | 2 | Modeling a cube | By the end of the lesson the learner should be able to model a cube. | -Review the previous lesson.-Lead learners to model a cube.Draw the cube. | Listening Observe CalculateDo an exercise | CubesBoxes  | Primary Maths bk7 pg 246 |  |
|  | 3 | Model of a cuboid | By the end of the lesson the learner should be able to identify the model of a cuboid. | -Review the previous lesson.-Identify properties of a cuboid.-Give an exercise. | Listening Observe CalculateDo an exercise | Cuboid  | Primary Maths bk7 pg 247 |  |
|  | 4 | Modeling a cuboid  | By the end of the lesson the learner should be able to model a cuboid. | -Review the previous lesson.-Lead learners to model a cuboid.Draw the cuboid. | Listening Observe CalculateDo an exercise | CubesBoxes  | Primary Maths bk7 pg 248 |  |
|  | 6 | Model of a cylinder(open and closed) | By the end of the lesson the learner should be able to identify the model of a closed and open cylinder. | -Identify a closed and an open cylinder.-Draw the models.-Give an exercise. | Listening Observe CalculateDo an exercise | CylindersContainers  | Primary Maths bk7 pg 250-251 |  |
|  | 7 | Patterns with shapes | By the end of the lesson the learner should be able to identify patterns with shapes. | -Review the previous lesson.-Identify patterns with shapes.-Give an exercise. | Listening Observe CalculateDo an exercise | Chalkboard illustrations | Primary Maths bk7 pg 251-252 |  |
| 8 |  |  | END TERM III 2019 |  |  |  |  |  |

 **MERRY CHRIMAS AND HAPPY NEW YEAR**