**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  Calculate  Do 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  Calculate  Do 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 drawing  Do 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do 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  interprets  Do 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  interprets  Do 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 graphs  Do 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 graphs  Do 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 graphs  Do 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 graphs  Do 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 graphs  Do 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 graphs  Do 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  Convert  Do an exercise | Chalkboard Illustrations | Primary Maths bk7 pg 228-229 |  |
|  | 4 | 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. | -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  Convert  Do an exercise | Chalkboard Illustrations | Primary Maths bk7 pg 229-230 |  |
|  | 5 | Pie charts  Involving 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  Calculate  Do an exercise | Chalkboard Illustrations | Primary Maths bk7 pg 231 |  |
|  | 6 | Pie charts  Involving 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do an exercise | Chalkboard Illustrations | Primary Maths bk7 pg 238 |  |
|  | 5 | Time tables  Train 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  Calculate  Do an exercise | Chalkboard Illustrations | Primary Maths bk7 pg 239 |  |
|  | 6 | Time tables  Train 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do 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  Calculate  Do an exercise | Desk  Ruler | 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  Calculate  Do 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  Calculate  Do an exercise | Cubes  Boxes | 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  Calculate  Do an exercise | Cubes  Boxes | 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  Calculate  Do 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  Calculate  Do an exercise | Cubes  Boxes | 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  Calculate  Do an exercise | Cylinders  Containers | 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  Calculate  Do an exercise | Chalkboard illustrations | Primary Maths bk7 pg 251-252 |  |
| 8 |  |  | END TERM III 2019 |  | |  |  |  |  |

**MERRY CHRIMAS AND HAPPY NEW YEAR**