

MATHEMATICS SCHEMES OF WORK FOR CLASS EIGHT TERM TWO - 2020

| W K | LE S | TOPIC | SUB-TOPIC | OBJECTIVES | T/L. ACTIVITIES | T/L AIDS | REFERENCE | REMARKS |
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| 1 | | Topics covered in first term | Revisions | By the end of the lesson the learner should be able to recall content covered in previous term in preparation for term two work . | Asking and answering questions. Tests and quizzes | Past exam papers | -Marking schemes for past exams | |
| 2 | 1 | MEASUREMENT | Percentage Profit and loss | By the end of the lesson the learner should be able to work out problems involving percentage profit and loss. | -Demonstration -Asking & answering questions -Working out exercises | - Examples on chalk board | Primary mathematics: pupils book 8 (2005 new edition) JFK –Pg. 134 | |
| | 2 | " | Percentage Profit and loss | By the end of the lesson the learner should be able to work out problems involving percentage profit and loss. | -Demonstration -Asking & answering questions -Working out exercises | - Examples on chalk board | Primary mathematics: pupils book 8 (2005 new edition) JFK –Pg. 136 | |
| | 3 | " | Bills | By the end of the lesson the learner should be able to work out problems involving bills. | -Demonstration -Asking & answering questions -Working out exercises | - Examples on chalk board | Primary mathematics: pupils book 8 (2005 new edition) JFK –Pg. 137 | |
| | 4 | " | Bills | By the end of the lesson the learner should be able to work out further problems involving bills. | -Demonstrations -Working out exercises | -chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JFK –Pg. 139 | |
| | 5 | " | Discount | By the end of the lesson the learner should be able to work out problems involving discount | Demonstrations -Working out exercises | -Examples on the chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JFK –Pg. 140 | |
| | 6 | " | Percentage discount | By the end of the lesson the learner should be able to work out problems involving percentage discount | Demonstrations -Working out exercises | -Examples on the chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JFK –Pg. 141 | |
| | 7 | " | Commission and percentage | By the end of the lesson the learner should be able to work out problems involving | Demonstrations -Working out exercises | -Examples on the chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JFK –Pg. 142 | |
| 3 | 1. | MEASUREMENT | -Hire purchase | By the end of the lesson the learner should be able to work out problems involving hire purchase | -Explanation -Demonstration -Asking & answering questions -Working out exercises | -Chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JFK –pg 144 | |

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| | 2. | “ | -Simple interest | By the end of the lesson the learner should be able to work out problems involving Simple interest | Explanation -Demonstration -Asking & answering questions -Working out exercises | Chalkboard -Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 146 | |
| | 3. | “ | “ | By the end of the lesson the learner should be able to work out problems involving simple purchase | Explanation -Demonstration -Asking & answering questions -Working out exercises | Chalkboard -Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg.148 | |
| | 4. | “ | -Compound interest | By the end of the lesson the learner should be able to work out problems involving compound interest using simple interest per unit time. | Explanation -Demonstration -Asking & answering questions -Working out exercises | Chalkboard -Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 152 | |
| | 5. | MEASURE MENT’ | Postal charges | By the end of the lesson the learner should be able to work out problems involving postal charges(inland) | Explanation -Demonstration -Asking & answering questions -Working out exercises | Chalkboard -Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 155 | |
| | 6. | “ | Postal charges | By the end of the lesson the learner should be able to work out problems involving postal charges(International) | Explanation -Demonstration -Asking & answering questions -Working out exercises | Chalkboard -Examples in pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 158 | |
| | 7. | “ | Postal charges | By the end of the lesson the learner should be able to work out problems involving postal charges(parcel) | Explanation -Demonstration -Asking & answering questions -Working out exercises “ | Chalkboard | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 162 | |
| 4 | 1. | MEASURE MENT | Postal Charges | By the end of the lesson the learner should be able to work out problems involving postal charges(money orders) | --Demonstration -Asking & answering questions -Working out exercises | -Examples on chalkboard and pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –pg. 164 | |
| | 2. | “ | Postal Charges | By the end of the lesson the learner should be able to work out problems involving postal charges(Postal orders) | --Demonstration -Asking & answering questions -Working out exercises | -Examples on chalkboard and pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 166 | |
| | 3. | “ | Postal Charges | By the end of the lesson the learner should be able to work out problems involving postal charges(Inland telegrams) | --Demonstration -Asking & answering questions | -Examples on chalkboard and pupils text book | Primary mathematics: pupils book 8 (2005 new edition) JKF –Pg. 168 | |

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| | | | | | -Working out exercises | | | |
| | 4. | TIME, SPEED AND TEMPERATURE | Time | By the end of the lesson the learner should be able to work out problems involving time. | Explanation Demonstration Asking and answering oral questions Working out exercises | Clock face Examples in pupils text bk | Primary maths ppls bk. 8 pg. 171 | |
| | 5. | „ | „ | By the end of the lesson the learner should be able to work out problems involving time | Demonstration Working out exercises | Illustrations on chalkboard | Ppls bk. pg. 172 | |
| | 6. | „ | Fares tables | By the end of the lesson the learner should be able to work out problems involving fares | Asking and answering oral questions | Illustrations on chalkboard | Ppls bk. pg. 173 | |
| | 7. | „ | Bus time table | By the end of the lesson the learner should be able to work out problems involving bus timetables | Working out exercises | Illustrations on chalkboard | Ppls bk. pg. 174 | |
| 5 | 1. | „ | Train timetable | By the end of the lesson the learner should be able to work out problems involving train timetables | Demonstration Working out exercises | Timetables in ppls text bk | Ppls bk. pg. 175 | |
| | 2. | „ | Plane timetables | By the end of the lesson the learner should be able to work out problems involving plane timetables. | Asking and answering oral questions | „ | Ppls bk. pg. 177 | |
| | 3. | „ | Speed: Conversion of Km/h to m/s | By the end of the lesson the learner should be able to convert km/h to m/s | Working out exercises | ,chart showing conversions | Ppls bk. pg. 178 | |
| | 4. | TIME, SPEED AND TEMPERATURE | Conversion of m/s to Km/h | By the end of the lesson the learner should be able to convert m/s to km/h | Explanation Demonstration Asking and answering oral questions Working out exercises | Examples in pupils text bk Clock face Chalkboard | Primary maths ppls bk. 8 pg. 180 | |
| | 5. | „ | Speed , time and distance | By the end of the lesson the learner should be able to work out problems involving speed, time and distance. | Working out exercises | „ | Ppls bk. pg.181 | |
| | 6 | „ | „ | By the end of the lesson the learner should be able to work out problems involving sped, time and distance. | Working out exercises | „ | Ppls bk. pg.183 | |
| | 7 | | Temperature | By the end of the lesson the learner should be able to work out problems involving temperature. | Working out exercises | Examples in pupils text bk Thermometer | Ppls bk. pg. 184 | |
| 6 | 1. | SCALE DRAWING | Reading and interpreting diagrams drawn to scale | By the end of the lesson the learner should be able to read and interpret diagrams drawn to scale. | Reading and interpreting diagrams drawn to scale | Diagrams and illustration on chalkboard Local environment | Ppls bk. pg.186 | |

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| | 2. | „ | “ | By the end of the lesson the learner should be able to work out problems involving scale. | Explanation Demonstration Asking and answering oral questions Working out exercises | „ | Ppls bk. pg. 187 | |
| | 3. | „ | Determining and making scale drawing | By the end of the lesson the learner should be able to determine and make scale drawings. | „ | Examples in pupils text bk chalkboard | Primary maths ppls bk. 8 pg.191 | |
| | 4. | „ | “ | By the end of the lesson the learner should be able to draw diagrams using given scale. | Explanation Demonstration Working out exercises | „ | Ppls bk. pg.192 | |
| | 5 | „ | Exercises involving scale drawing | By the end of the lesson the learner should be able to work out problems involving scale drawing. | Explanation Demonstration Working out exercises | „ | Ppls bk. pg.192 | |
| | 6 | „ | „ | By the end of the lesson the learner should be able to work out problems involving scale drawing. | Working out exercises | Chalkboard | Ppls bk. pg.186 | |
| | 7 | TEST | - | By the end of the lesson the learner should be able to work out given revision exercise to reinforce covered content | Working out exercises | Chalkboard | Ppls bk. pg.186 | |
| 7 | 1 | RATIO AND PROPORTION | Ratio | By the end of the lesson the learner should be able to work out problems involving ratio. | Explanation Demonstration Working out exercises | Examples in pupils text bk chalkboard | Ppls bk. pg. 194 | |
| | 2 | “ | Ratio | By the end of the lesson the learner should be able to problems involving ratio | Working out exercises | Examples in pupils text bk | Ppls bk. pg.195 | |
| | 3 | “ | Ratio | By the end of the lesson the learner should be able to problems involving ratio | Working out exercises | chalkboard | Ppls bk. pg. 196 | |
| | 4 | “ | Ratio increasing and decreasing | By the end of the lesson the learner should be able to work out problems involving ratio increase and decrease. | Working out exercises | Examples in pupils text bk | Ppls bk. pg.199 | |
| | 5 | “ | Direct proportion | By the end of the lesson the learner should be able to work out problems involving simple direct proportion. | Explanation Demonstration Working out exercises | „ | Ppls bk. pg. 201 | |
| | 6 | “ | Direct proportion | By the end of the lesson the learner should be able to work out problems involving simple direct proportion. | Explanation Demonstration Asking and answering oral questions Working out exercises | Examples in pupils text bk chalkboard | Primary maths ppls bk. 8 pg. 203 | |
| | 7 | “ | Indirect proportion | By the end of the lesson the learner should be able to work out problems involving indirect proportion. | „ Explanation Demonstration Working out exercises | Examples in pupils text bk | Ppls bk. pg.204 | |
| 8 | 1 | RATIO AND PROPORTION | Indirect proportion | By the end of the lesson the learner should be able to work out problems involving simple indirect proportion. | Explanation Demonstration Working out exercises | chalkboard | Ppls bk. pg.204 | |

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| | 2 | “ | Direct proportion | By the end of the lesson the learner should be able to work out problems involving direct proportion. | Explanation Demonstration Working out exercises | Examples in pupils text bk | Ppls bk. pg. 205 | |
| | 3 | “ | Ratio and proportion mixed exercises | By the end of the lesson the learner should be able to work out mixed exercises involving mixed exercises. | Explanation Demonstration Working out exercises | chalkboard | Ppls bk. pg.205 | |
| | 4 | TABLES AND GRAPHS | Averages (i)Mean | By the end of the lesson the learner should be able to recognize, identify and work out exercises involving mean. | Explanation Demonstration Working out exercises | Examples in pupils text Chalkboard | Ppls bk. pg.207 | |
| | 5 | “ | (ii)The mode | By the end of the lesson the learner should be able to recognize, identify and work out exercises involving mode. | Explanation Demonstration Working out exercises, | “ | Ppls bk. pg. 208 | |
| | 6 | “ | (iii)The median | By the end of the lesson the learner should be able to recognize, identify and work out exercises involving median. | Working out exercises | “ | Ppls bk. pg.209 | |
| | 7 | TABLES AND GRAPHS | (iii)The median | By the end of the lesson the learner should be able to work out exercises involving median. | Explanation Demonstration Asking and answering oral questions Working out exercises | Tables and graphs in ppls text bk Chalkboard Graph books | Primary maths ppls bk. 8 pg. 210 | |
| 9 | 1 | “ | Reading and interpreting information from tables | By the end of the lesson the learner should be able to read, draw and interpret information given in tables. | Working out exercises | Tables and graphs in ppls text bk Chalkboard Graph books | Ppls bk. pg.211 | |
| | 2 | “ | Reading and interpreting bar graphs | By the end of the lesson the learner should be able to read, draw and interpret bar graphs | Drawing bar graphs Working out exercises | Examples in pupils text bk Chalkboard Graph books | Ppls bk. pg.213 | |
| | 3 | “ | “ | By the end of the lesson the learner should be able to read, draw and interpret bar graphs | Working out exercises | Examples in pupils text bk Chalkboard Graph books | Ppls bk. pg. 214 | |
| | 4 | TABLES AND GRAPHS | Reading and interpreting pie charts | By the end of the lesson the learner should be able to read and interpret pie charts. | Reading and interpreting pie charts | , Examples in pupils text bk Chalkboard Graph books | Ppls bk. pg. 215 | |
| | 5 | “ | “ | By the end of the lesson the learner should be able to read and interpret pie charts | Reading and interpreting pie charts | “ | Ppls bk. pg.218 | |
| | 6 | “ | Reading and interpreting line graphs | By the end of the lesson the learner should be able to read and interpret line graphs | Reading and interpreting pie charts | “ | Ppls bk. pg. 218 | |

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| | 7 | TABLES AND GRAPHS | ” | By the end of the lesson the learner should be able to read,draw and interpret line graphs | Explanation Demonstration Asking and answering oral questions Working out exercises | Examples in pupils text bk Chalkboard Graph books | Primary maths ppls bk. 8 pg.223 | |
| 10 | 1 | ” | ” | By the end of the lesson the learner should be able to read and interpret line graphs | ” | Graph books | Ppls bk. pg.224 | |
| | 2 | ” | Travel graphs | By the end of the lesson the learner should be able to read and interpret travel graphs | Reading and interpreting line graphs | Graph books | Ppls bk. pg.226 | |
| | 3 | ” | ” | By the end of the lesson the learner should be able to draw graphs, read and interpret travel graphs | Reading and interpreting line graphs | Graph books | Ppls bk. pg.229 | |
| | 4 | ” | Travel graphs | By the end of the lesson the learner should be able to read and interpret travel graphs | Reading and interpreting line graphs | Graph books | Ppls bk. pg.231 | |
| | 5 | GEOMETRY | Patterns with shapes | By the end of the lesson the learner should be able to make geometrical patterns using straight lines. | Reading and interpreting line graphs | Geometrical sets | Ppls Pg. 245 | |
| | 6 | GEOMETRY | Patterns with shapes | By the end of the lesson the learner should be able to make patterns using quadrilaterals, triangles and circles. | Making patterns | Examples in pupils text bk Geometrical sets Chalkboard | Primary maths ppls bk. 8 pg. 246 | |
| | 7 | ” | Patterns with shapes | By the end of the lesson the learner should be able to make patterns using quadrilaterals, triangles and circles. | Making patterns | ” | Ppls bk. pg.247 | |
| 11 | END TERM TWO EXAMS, | | | | | | | |