**SECTION A**

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|  | | Workout: 3 4  + 2 3 |  | | Given that set  P = odd numbers less than 10  Find n(P) | |
|  | | Write ‘’twelve thousand twelve’’ in figures. |  | | Solve for n: 8n – 10 = 3n. | |
|  | | Change **480** minutes to hours. |  | | Find the next number in the sequence.  7, 10, 15, 18, 23, \_\_\_\_\_\_\_\_\_\_ | |
|  | | Workout: |  | | Calculate the average of 34, 41 and 36. | |
|  | | Use the figure below to find the length of **BC**.  C  D  10cm  A  B  8cm |  | | Write the number that has been expanded.  400 + 8 + 0.2 + 0.06 | |
|  | | The probability that Mary picks a blue pen from the bag is . If the bag contains 20 red pens, how many pens are in the bag? |  | | Alupot bought seven books at sh 5,600. How many books will she buy with sh. 3200? | |
|  | | Use a protractor, a pencil and a ruler, to draw an angle of 600. |  | | By using division list down all factors of 48. | |
|  | | Workout: (47 x 21) + (53 x 21) |  | | A mango tree is the 9th from either side of the line. How many trees are in the line? | |
|  | | Divide:  9 3636 |  | | What is the product of value of 7 tens and 5 ones? | |
|  | | Write **69** in Roman numerals. |  | | Find out the number which can either be divided by 8 or 6 leaving remainder 3. | |
| **SECTION B (60 MARKS)**  **Marks for each part of the question are indicated in the brackets.** | | | | | | |
| (c)  (b)  n(M) = \_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_  (a) | In a class of 5y, 35 pupils like mathematics only (M) 20 of them like both subjects 60 pupils like English(E) and 5 of them like none of the subjects.  Fill in the blank spaces correctly. **(02 marks)**  n(E) = 5y  n(E) = 60  \_\_\_\_\_\_\_  \_\_\_\_\_\_\_  20  5  Work out the value of Y. **(02 marks)**  What is the probability of picking at random a pupil who likes only one subject?  **(02 marks)** | | | | | |
| (a)  (a)  (b) | Round off to the nearest hundreds **5681** **(02marks)**  Change 103five to base two.  (a)  **(04marks)**  (b) | |  | | Study the readings which were taken for water consumption by three families.   |  |  |  | | --- | --- | --- | | **Family head** | **First reading** | **Last reading** | | Sharon | 204 | 251 | | Arutoke | 343 | 378 | | Okello | 127 | 188 |   Find the units each person used at the end of the month. **(03marks)**  If each unit costs sh500, find the bill for each. **(03marks)** | |
| (b) | The median of five consecutive odd numbers is 13. Find the numbers.  **(02marks)**  What is the range of the numbers?  **(02marks)** | |  | | PQR is a straight line and  (y+30)  **S**  m  **R**  **P**  **Q**  700  600 | |
| (a) | find the value of y. **(02marks)**  (b) | | (a) | | Calculate the size of angle m.  **(02marks)** | |
|  | The volume of the figure below is 480cc. calculate the area of the shaded part. **(05marks)**  8cm  w  12cm  (c) | | (b) | | Solve; 2(3a-5) – 3(1-a) = 14  **(03marks)**  Evaluate if a = 10, p = 7 and r = 5.  **(02marks)** | |
| (b)  (a) | Oluka scored the following marks;  50, 70, 60, 70, 80, 94 and 38.  Find his modal mark. **(02marks)**  Calculate the mean mark. **(02marks)** | |  | | The range of two two number is 8. If the highest number is 14, find the lowes number. | |
|  | Use a ruler, a pencil and a pair of compasses to construct a square VXYZ where side VX is 6cm. (**04marks)**  (a) | | | | | |
| (b)  (a) | In Bombo UMEA p/s there are 2170 pupils, are boys and the rest are girls.  What fraction are girls? **(02marks)**  How many more girls than boys are in UMEA Primary School? **(03marks)**  (b) | | |  | | The Lowest Common Multiple (LCM) of two numbers is 60 and their Greatest Common Factor (GCF) is 3. If one of the numbers is 15. Find the second number.  What number has been prime factorized to give. 21, 31, 22, 51 ?  **(02marks)** |
| (c)  (b)  (a) | The table below shows different telephone call rates.     |  |  | | --- | --- | | **Company** | **Per Minute Cost** | | MTN | Sh.250 | | AIRTEL | Sh.200 | | AFRICEL | Sh.220 |   If John made a call using MTN line and used 4 minutes, how much did it cost?  **(01mark)**  What is the cost of Using Africell 8 minutes and Airtel 6 minutes? **(02marks)**  If Grace bought MTN airtime of sh 2500. How many minutes did she receive?  **(02marks)**   * **End -** | | | | | |