REPUBLIC OF RWANDA PAPER ONE

EASTERN PROVINCE

GATSIBO DISTRICT

END OF TERM TWO **MATHEMATICS** EXAM **P6**

TIME: TWO HOURS

MARKS: …………/100

INSTRUCTIONS: ATTEMPT ALL THE QUESTIONS

 USE ONLY BLUE OR BLACK PENS

 DO NOT USE CALCULATOR

|  |  |
| --- | --- |
| QUESTIONS | WORKING PLACE  |
| 1.Write the place value of the underlined digits 76 767 709 2marks |  |
| 2. Round off 9 899 958 to the nearest thousands.2marks |  |
| 3. Write Five million four hundred seventy two thousand six hundred fifty in figure. 2marks |  |
| 4. Using a number line. Work out (2) x ( -4) 2marks  |  |
| 5. Work out a. ( -30)x(-6) b. (+6 )-(+9) |  |
| 6. Find the LCM of 12 ,16 and 18 |  |
| 7. 45 x 4x = 42  |  |
| 8. The LCM of two numbers is 40. One of the number is 20. If their GCF is 5 find the second number. 2marks  |  |
| 9. Work out ( $\frac{1}{5}$ $-3\frac{2}{6}$) $÷$ $\frac{8}{6}$ 2marks |  |
| 10.A man covered 120 km of journey. This is only $\frac{3}{4}$ of the whole journey.Calculate the total distance covered for the whole journey. 2marks  |  |
| 11. Tom spent $\frac{1}{3}$ of his salary on rent . $\frac{1}{5}$ on food and save the rest.a. If he spent 9000frw on food.How much is his salary? 2marks |  |
| a.how much did he spend on rent? 1mark |  |
| c.how much did he save?  1mark |  |
| 12.a.Round off 65.3984 to the nearest hundreths. 1mkb.what is the place value of 2 and 0 in 42315.6704 2marks |  |
| 13.a) Convert 9 $\frac{2}{5}$ into decimals. 1mark b. Convert 0.5 into a fraction. 2marks |  |
| 14. A cow increased its milk production of 5litres by 10% ,then by 25%. How many liters of milk does it give now.  4marks  |  |
| 15. Kambanda and Musoni shared 12000frw in the ratio of 3: 5 How much each got. 4marks |  |
| 16. In a cell 16men can dig a pit in 5days. How many men working at the same rate can dig the same pit in 20days? 3marks |  |
| 17. Kalisa mixed 6litres of honey which cost 4500frw per litres with 9litres of another quality of honey which cost 4200frw per litres.Calculate the average price per liter of the mixture. 3marks |  |
| 18.What number when decreased by 20% be come 1600? 3marks |  |
| 19.A trade bought a radio at 950 000frw. He later sold it to a customer at 12 250 000frw. What was his percentage profit? 3marks |  |
| 20.The price of shirt was increased from 6000frw to 8000frw.Calculate the percentage increase. 3marks |  |
| 21.In our school the ratio of teachers to learners is 1:8. If there are 10 teachers. How many learners are in the school. 2marks |  |
| 22. Work out. 4marks a. 26dm3=………………………hgb.700l=……………………………..m3 |  |
| c.64.3l $-$75hg=……………………..cm3 |  |
| d.8.6dast$-$ 753dm3 =………………st |  |
| 23.A true covered distance of 3600metres in 3minutes .Calculate its speed in metres per second. |  |
| 24. A bus left Kigali at 10:00am travelling at 60km/hr. It arrived at its destination at 1: 00pm .Find the distance it covered. 3marks |  |
| 25.Karoli deposited 60 000frw in a bank. The interest rate was 10% per year.a. Calculate the simple interest after 5months. 3marks b.calculate the amount. 3marks.  |  |
| 26. Find the missing numbers. 4marks a. 4, 9, 16, …….,……. b. 6, 9 , 12,……..,……  |  |
| 27.A town is 180km from another town. It took a truck $3\frac{ 1}{ 2}$ hours to cover a distance. On return it took 1$\frac{1}{2}$ hours to cover the same distance.a) Calculate the total distance? b.) Calculate the total time?c.Calculate its average speed? 7marks |  |
| 28.Manu ,Ally and Eden are Friends . They contributed money for paying the insurance of the old people in their cell in 3 to 4 to 5 parts respectively.Eden contributed 40 000frw.a)How much di manu contributed?b .How much did Ally contributed?c.Calculate the total contribution of the threemembers. 7marks. |  |
| 29.Kalisa mixed two types of beans weighing 20kg altogether and sold each kg at 900frw. The first type is sold at 1200frw per kg and the second types at 700frw per kg.Find the kilograms of each type of beans. 7marks. |  |
| 30.Two vehicle A and B moved towards each other. They started moving at 9:00am and met at 11: 00am.Their speeds were 60km/hr and 55km/hr respectively.What distance had each covered by the time they met.? 7marks. |  |