**NAMANOGA SECONDARY SCHOOL**

**END OF TERM ONE EXAMS 2023**

**S.1 MATHEMATICS**

**DURATION: 1: 30 MINUTES**

INSTRUCTIONS: Attempt all questions in this paper

1. Identify the place values of the following;
2. 2122eight (b) 7164nine
3. Find the value of each digit in;
4. 1034five (b) 1011two
5. Convert 224five to base three.
6. After a mathematics lesson Ritah and Rebecca decided to design an addition table in base five as shown below.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| + | 0 | 1 | 2 | 3 | 4 |
| 0 |  |  |  |  |  |
| 1 |  |  |  |  | 10 |
| 2 |  |  |  |  |  |
| 3 |  |  |  | 14 |  |
| 4 |  |  |  |  |  |

Help Ritah and Rebecca to complete the table above.

1. Work out the following as instructed;
2. 122three × 12three
3. 44five ÷11two
4. Robert had a debt of sh. 16,000/= at the school canteen. On visitation day, his parents gave him sh. 9,500/=. If he used all the money to pay the debt, how much money did he remain with?
5. Express 720 in terms of its prime factors.
6. Find the lowest common multiple and the highest factor of the following;
7. 12 and 18
8. 98 and 48
9. If you were travelling from Soroti to Jinja and after covering of the distance, you rest in Mbale after an extra of the distance, you rest in Iganga.
10. What is the total fraction of the distance from Soroti to Iganga?
11. What is the fraction of the remaining distance?
12. Tom, Amina and willy contributed a certain amount of money to start up a business. Tom contributed , Amina contributed and Willy contributed the rest.
13. Find the fraction contributed by Willy.
14. If Tom contributed sh. 200,000/= , how much did
15. They contribute altogether?
16. Willy contribute?

END

SUCCESS