BUVUMA DISTRICT HEADTEACHER'S ASSOCIATION

JOINT MOCK PRIMARY LEAVING EXAMINATION 2024

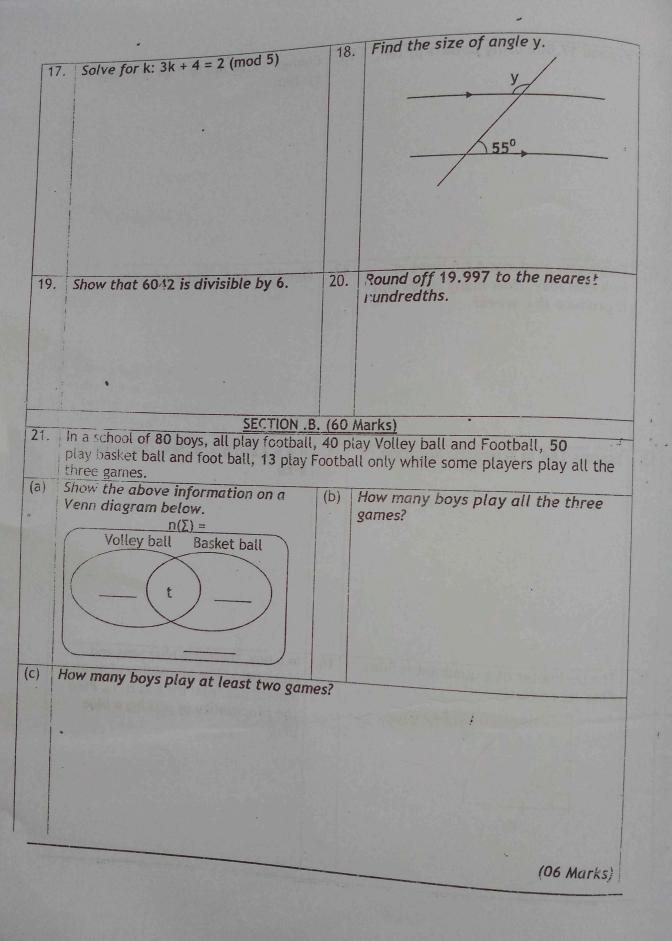
MATHEMATICS

| Time allowed 2 hours 30 Random No. Personal No. | minutes |
|---|--|
| Pupil's Name: | OWNER OF THE PROPERTY OF THE P |
| School Name: | *************************************** |
| District Name: | |
| Read the following instructions carefully: 1. The paper has two sections: A and B Section A has 20 short questions (40 marks) | FOR EXAMINER'S USE ONLY |
| Answer ALL questions. All answers to both Sections A and B must be written in the spaces provided. All answers must be written using a blue or black ball point pen or ink. Diagrams should be drawn in pencil. Unnecessary alteration of work may lead to loss of marks. Any handwriting that cannot be easily read may lead to loss of marks. Do not fill anything in the boxes indicated for | Pages Mark Sign Page 2 Page 3 Page 4 Page 5 Page 6 Page 7 |
| Teacher's comment to the learner. | Page 8 |

SECTION .A. (40 Marks)

| | | JN .A. 14 | The second secon |
|-------|---|-----------|--|
| 1. | Multiply: 4 x 3 = | 2. | Set $P = \{0, 2, 4, 6, 8\}$ and $Q = \{1, 2, 6\}$. List the common members in both sets. |
| | | | |
| 3. | Find the <i>square of</i> 2. 5 | 4. | What is the place value of underlined digit in the number 7062 |
| • | | | |
| 1 | Musa bought 400 grams of maize flou and used 174 grams to prepare perridge. How much flour did he remain with? | | Change XCVIII to Hindu Arabic numerals. |
| | | | |
| lf re | % = 20 pupils, draw pictures to | 0 | |
| | present 80 pupils. | o. 05 | pencil only, bisect line AB below. |
| | | | |
| | | | Ar. |
| | | | |
| | | | |

| | t dam's powers of ter | 7. 1 | O. Change 12:28 am to a 24 hour clock system. |
|-----|---|------|--|
| 11. | Tom's cow produces 13.5 litres of milk everyday. How many litres will it produce in a week? | 12 | Simplify: 2xy² - 4pq + xy² + 6pq |
| 13. | Express 164 in scientific notation. | 14. | If a = 2 and b = 3, find the value of a-2b. |
| 15. | The perimeter of a quadrant is 50m. Find its radius. | 16. | In a box, there are blue pens and black pens. The probability of picking a black pen from the box is ² / ₇ . Find the probability of picking a blue pen. |



23.

24.

(b).

25.

| The average of four consecutive ever | Dum | hora is 45 |
|---|------|--|
| The average of four consecutive ever what are the even numbers? | (b) | Work out the product of the smallest and largest even numbers above. |
| 23. (a) Simplify: 4.8 x 1.2 0.03 x 0.2 | (b) | Work out: 2 + 2 + 3 / 9 |
| 4. The diagram below is a triangular pris | m He | (04 Marks) |
| 15dm 12dm 15dm T 20dm | (a) | Find length of PU. |
| Calculate the volume of the prism. | 000 | (04 Marks) |
| (a) Given that 6 < 4 - 2r ≤ 12, find the product of all possible values of r. | (b) | Solve for d: 6 - 2d = 4 |
| | | (06 Mark |

| | (04 Marks) riangle TRS erpendicular | | (06 Marks) | | O4 Marks |
|-----------------------------|---|---|---|--|----------|
| Multiply: 8 4 2 × 3 5 | (a) Using a ruler, a pencil and a pair of compasses only, construct a triangle TRS such that TR = 6.5cm, angle TRS = 120° and line RS = 5cm. Drop a perpendicular line from S to meet line TR at X. | | rent items. | Sh | |
| (b) Mult | air of compasses c | | Measure length SX. Below is a shopping table showing the price of different items. | Unit cost 5h.4000 5h.1600 5h.6000 5h.8000 5h.3600 | |
| :96102 | r, a pencil and a p 6.5cm, angle TRS neet line TR at X. | | SX. Ing table showing | Quantity 3kg 500gm 1.5kg 1.5kg e above. | |
| 26. (a) Work out: 9 6 1 0 2 | 27. (a) Using a rule such that TR = 1 line from S to m | • | Measure length SX Below is a shopping | Sugar 3kg Sugar 3kg Salt 500g Cooking oil meat 2kg Rice 1.5kg | |

