

ARALL EDUCATIONAL CONSULTANTS [AEC]

PRIMARY SEVEN EARLY JAN EXAMS 2025 SET 1 MATHEMATICS

Time allowed: 2hrs 30mins

| | Rand | Random no. | | | Pers | Personal no. | | |
|---------------|------------|------------|----------|--------------|--------------|--------------|-----------|--------|
| Index No. | | | | | | | | |
| Candidate's N | ame: | | | | | | | |
| Candidate's S | | | | | | | | |
| School Name: | | | | | | | | |
| District no. | | | | | | | | |
| READ THE FO | LLOWING | 3 INST | RUCT | IONS C | <u>AREFU</u> | LLY: | | |
| 1. Do not fo | rget to w | rite y | our sc | hool or | district | t anywl | nere on | this |
| paper. | | | | | | | | |
| 2. This pape | r has tw | o sec | tion: A | and B. | section | n A has | 20 que | stions |
| and secti | on B has | 12 qu | estion | ıs. | | | | |
| 3. Answer a | II the que | estion | s. All 1 | he wor | king fo | r both s | sections | A and |
| B must be | e written | in the | spac | es prov | ided. | | | |
| 4. All answe | ers must | be wr | itten u | sing a | blue Or | black | ball poir | nt pen |
| or ink. An | y work w | vritter | ı in pe | ncil wil | l not be | e marke | ∍d. | |
| 5. Unnecess | sary char | nges i | n your | work a | nd han | dwritin | g that c | annot |
| be read e | asily ma | y lead | to los | s of ma | rks | | | |
| "FOR EXA | MINER'S | USE | ONLY | ! | | | | |
| SECTION | | | | | | | | |
| SECTION | I B | | | | | | | |

TOTAL GAIN

SECTION A [40MRKS]

| 1 | Workout: | 11 | v 11 |
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| Ι. | vvoikoui. | | ХΙ |

2. Given that a = 3, b = 1, and x = 2, find the value of $2a^xb$

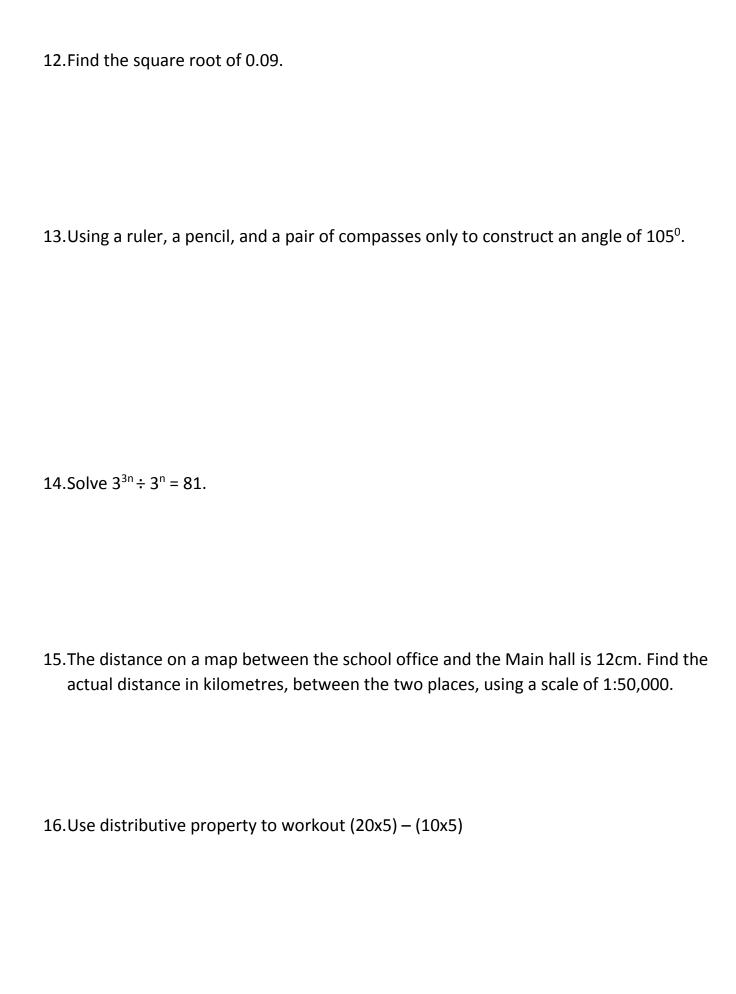
3. A watch loses 5 seconds every one hour. How many minutes will it lose after 72hrs?

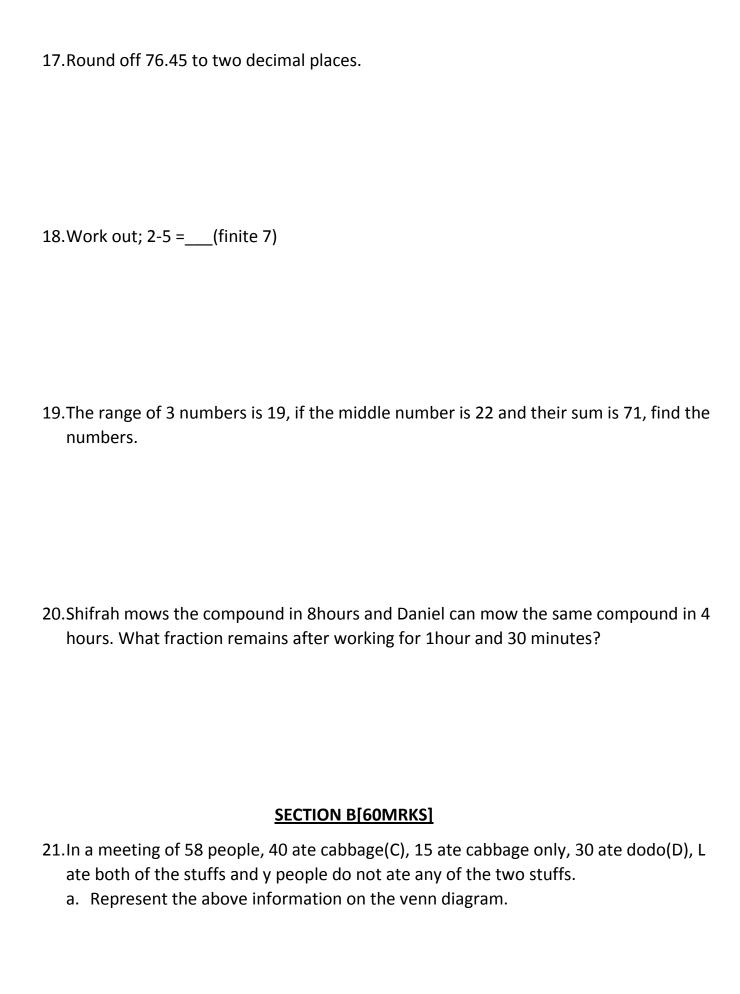
4. Pamela bought a dress at shs.60,000 and sold it at shs.72,000. What was her percentage profit?

5. Write MCMXLIV in Hindu Arabic numeral.

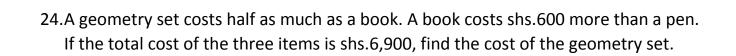
6. What number has been expanded to give: $[1x5^3] + [2x5^2] + [3x5^1] + [4x5^0]$?

| 7. | Calculate the highest number of children that can share either 18 or 24 books leaving no remainder. |
|----|--|
| 8. | Write "One hundred twelve thousand, one hundred ten" in figures. |
| 9. | Find the next number in the sequence below.1, 2, 5, 11, 21, |
| 10 | Mr. TYCOON had 5 packets of yoghurt each weighing 2500ml. find the weight of the packets in litres. |
| 11 | . A water tank was 2/3 full of water, before 1/3 of it was sold by the owner. What fraction remained after selling some water? |
| | |





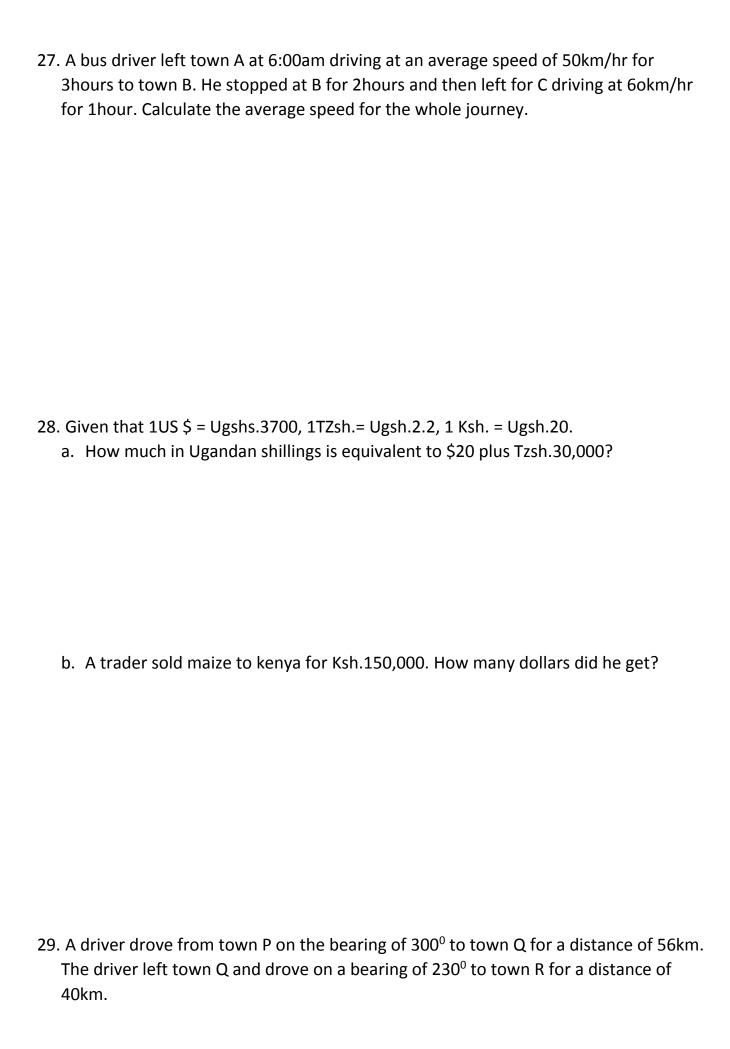
| b. Find the value of L and y. |
|---|
| 22. Workout the product of the third and the first prime numbers. |
| c. The sum of 3 consecutive counting numbers is 66. If the middle number is y, find the numbers. |
| 23. Bitankuka sold his radio to Aguti at shs.63,000 making a loss of 10%. Aguti later sold the radio to Chebet at a profit of 15%.a. Calculate the amount of money Bitankuka paid for the radio. |
| b. For how much did Aguti sell the radio? |



25. Four girls Cathy, Nusulah, Faridah and Beatrice shared shs. 180,000 in the ratio of 2:3:4 respectively. Find how much each girl got.

26. Workout
$$\frac{2.4 \times 0.6}{0.12 \times 0.4}$$

c. Six boys can slash a compound in 20minutes. How many boys can do the same work in 12 minutes?



| | a. | route of the driver. |
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| | b. | Find the shortest distance from town P to town R. |
| | C. | Find the bearing of town R to town P. |
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| 30 | de | an examination, you are awarded 7 marks of every correct answer and 3 marks ducted for every wrong answer. A candidate had 9 questions correct and 5 estions wrong. What mark did the candidate score? |
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| C. | Flavia was born in 2BC and she died in 38AD immediately after her birthday. How old was she when she died? |
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| | |

31. Two taps F and E are connected to a water tank. Tap F can fill the tank in 2hours while E can empty it in 3 hours. One day when the tank was a third full of water, the taps were opened at the same time. How long did it take to fill the tank.

32. The table below shows how a cyclist travelled from Iganga to Kampala.

| Town | Arrival time | Departure time |
|---------|--------------|----------------|
| Iganga | | 9:45am |
| Lugazi | 10:30am | 10:45am |
| Mukono | 11:45am | 12:00 noon |
| Kampala | 1:15pm | |

a. Express the arrival time to Kampala in the 24-hour clock system.

| b. Find the time the cyclist took to travel from Lugazi to Kampala. |
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| c. If the distance between Lugazi to Kampala is 210km, calculate the average spee of the cyclist for the whole journey. |
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| "better late than never, success" |
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