

BUKOMBE DISTRICT COUNCIL
DISTRICT MOCK EXAMINATIONS MARCH 2024:
MATHEMATICS STANDARD SEVEN

Instructions:

- ✓ Answer all questions

SECTION A: (10 MARKS) MATHEMATICS OPERATIONS:

1. (i) $4,666 \times 123 =$ (ii) $888,666 \div 222 =$
(iv) $89\,000\,000 - 23\,123\,456 =$
(v) $3\frac{3}{4} + 4\frac{3}{4} =$ (vi) $4\frac{4}{5} \times \frac{5}{8} =$
(vii) $6\frac{3}{7} - 2\frac{5}{14} =$ (viii) $8.0 + 6.3 + 10.9$
(ix) $0.6 \times 0.4 =$ (x) $4\frac{2}{3} \div 3\frac{1}{2}$

(iii) $6\,333\,777 + 2\,666\,223 =$

SECTION B: 30 : MARKS WORD PROBLEMS:

2 (i) What is the place value of digit 8 in the number 238,967?

(ii) What do you think is the total value of 4 in the number 548,326?

(iii) Std six pupils were asked to write the smallest number using the digits 4, 7, 3, 8, 2. What was their correct answer?

(iv) Hadija was asked to write the short form of; $7,000,000 + 700,000 + 70,000 + 7,000 + 600 + 60 + 6$. Write her correct answer.

(v) List the prime numbers between 30 and 41

(vii) How many numbers would you write as the Odd numbers between 62 and 71?

3. (i) Janeth had 120,000/= and bought shoes worth 40,000/=. What fraction of money did she remain with?

(ii) Juma listed his best numbers as 1, 7, 13, 19, 25, _____. What number is missing?

(iii) What do you think would be the next Roman number in the following XXV, XXXV, XLV, LV, _____.

4. (i) The marked price of a bicycle was 240,000/= but our Maths teacher got a discount of 20% when he wanted to buy it cash. How much did he pay?

(ii) The Std seven pupils at Ngara primary went for a school trip that took 120 hours. How many days did the trip take?

(iii) Ndalul primary school has 60 girls more than number of boys. If $\frac{3}{5}$ of pupils are girls, how many boys are there?

5. (i) The month of May has 31 days. How many weeks and days are there?

(ii) A train travelled for 12 hours covering a total of 1,200 kilometres. What was its average speed?

(iii) 12 pupils had sticks of length 8 m 25 cm each. What is the total length of all the sticks?

6. (i) Simplify the following algebra. $5x + 10x - 12x - x =$

(ii) Simplify the following equation: $\frac{2ab}{7a} - \frac{14a}{ab}$

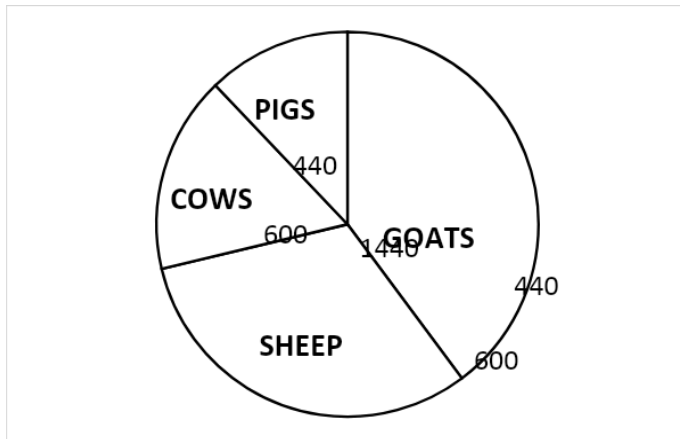
(iii) The sum of three consecutive odd numbers is 99. Which is the largest odd number?

7. (i) The following table shows the number of pupils in a school that were absent from Monday to Friday.

Days	Mon	Tue	Wed	Thur	Frid
Number	42	36	28	30	39

Find the average number of absent pupils in the week.

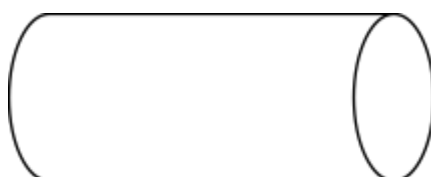
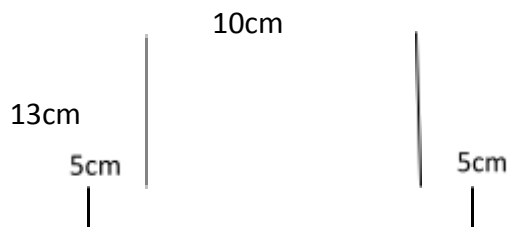
- (ii) The pie chart below shows the number of animals on Esther's farm. Study it carefully.



If she had 120 cows on the farm, how many sheep were there on the farm?



- 8.(i) Calculate the area of the figure below.

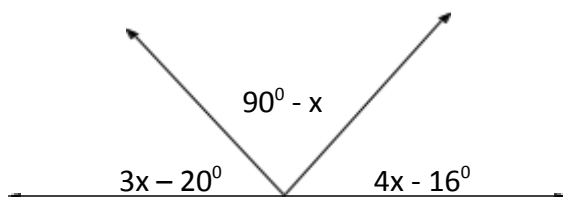


- (ii) Calculate the volume of the cylinder below.

28cm

50 cm

(iii) Find the value of x in the figure below.



HALMASHAURI YA WILAYA YA BUKOMBE

MTIHANI WA WILAYA MARCH 2024

HISABATI DARASA LA SABA

Maelekezo:

✓ Jibu maswali yote

SEHEMU A: MATENDO YA KIHISABATI

- | | | |
|--|--|---|
| 1. (i) $4,666 \times 123 =$ | (ii) $.888,666 \div 222 =$ | (iii) $6\,333\,777 + 2\,666\,223 =$ |
| (iv) $89\,000\,000 - 23\,123\,456 =$ | | 2. (i) Tafuta thamana ya nafasi ya namba 8 katika namba 238067 |
| (v) $3\frac{3}{4} + 4\frac{3}{4} =$ | (vi) $4\frac{4}{5} \times \frac{5}{8} =$ | (ii) Tafuta jumla ya thamani ya namba 4 katika namba 548,326? |
| (vii) $6\frac{3}{7} - 2\frac{5}{14} =$ | (viii) $8.0 + 6.3 + 10.9$ | (iii) Wanafunzi wa darasa la sita waliambiwa waandike namba ndogo kwa kutumia |
| (ix) $0.6 \times 0.4 =$ | (x) $4\frac{2}{3} \div 3\frac{1}{2}$ | |

SECTION B: ALAMA 30, MAFUMBO

- tarakimu; 4, 7, 3, 8, 2. Jibu sahihi ni lipi?
- (iv) Hadija aliulizwa kuandika ufupisho wa $7,000,000 + 700,000 + 70,000 + 7,000 + 600 + 60 + 6$. Andika jibu lake sahihi.
- (iv) Taja namba tasa kati ya 30 na 41
- (v) Je, kuna namba witiri ngapi kati ya 62 na 71?
3. (i) Janeth alikuwa na 120,000/= na akanunua viatu kwa 40,000/=. Taja sehemu ya fedha aliyobakiza.
- (ii) Juma aliyaja namba zake pendwa kama 1, 7, 13, 19, 25, _____. Namba gani imekosekana?
- (iii) Tafuta namba ya kirumi inayofuata XXV, XXXV, XLV, LV, _____.
4. (i) Bei halisi ya baiskeli ilikuwa 240,000/= lakini mwalimu wetu wa hisabati alipata punguzo la 20% alipotaka kununua. Je, alilipa kiasi gani cha fedha?
- (ii) Wanafunzi wa darasa la saba katika shule ya msingi Ngara waliandaa ziara iliyochukuwa saa 120. Je, ziara hiyo ilichukuwa siku ngapi?
- (iii) Shule ya msingi Ndaluni ina idadi ya wasichana 60 zaidi ya idadi ya wavulana. Kama $\frac{3}{5}$ ya wanafunzi ni wasichana, je shule itakuwa na wavulana wangapi?
5. (i) Mwezi wa tano una siku 31. Je kuna wiki na siku ngapi katika mwezi huo?
- (ii) Treni ilisafiri kwa saa 12 kwa umbali wa kilometa 1,200. Tafuta mwendokasi wa treni hiyo.
- (iii) Wanafunzi 12 walikuwa na fimbo zenye urefu m 8 sm 25 kila mmoja. Tafuta urefu wa fimbo zote.
6. (i) Rahisisha $.5x + 10x - 12x - x =$

(ii) Rahisisha; $\frac{2ab - 14a}{7a - a}$

(iii) Jumla ya namba witiri 3 zinazotofautiana ni 99. Ipi namba witiri kubwa kati ya hizo?

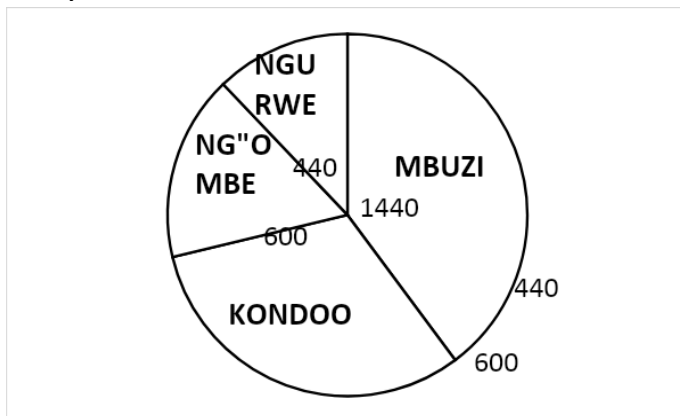
SEHEMU C MAUNDO NA TAKWIMU Alama 10

7. i) Jedwali lifuatalo linaonesha idadi ya wanafunzi waliokosa kwenda shule kwa wiki moja kuanzia Jumatatu hadi Ijumaa.

SIKU	J.tatu	J.nne	J.tano	Alha	Ijumaa
IDADI	42	36	28	30	39

Tafuta wastani wa wanafunzi hao kwa wiki nzima

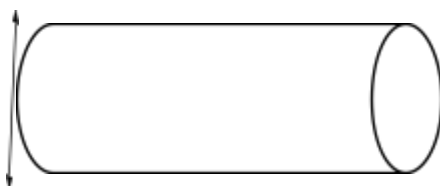
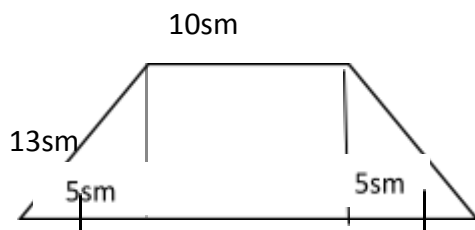
(ii) Grafu ifuatayo inaonesha idadi ya wanyama katika shamba lake Esther.



Iwapo alikuwa na n g"ombe 120 katika shamba hilo, kondoo walikuwepo wangapi?

8.

(i) Tafuta eneo la umbo lifuatalo.



(ii) Tafuta ujazo wa mcheduara ufuatao.

28 sm

(iii) Tafuta thamani ya x katika umbo lifuatalo.

