

KAKOLA CLUSTER EXAMINATION BOARD

2023 MOCK 3 EXAMINATION FOR STANDARD 8

MATHEMATICS

(100 Marks)



NAME : _____

SECTION A

- Which of the following is the smallest mass?
a. 30decagrams c. 30decigrams
b. 30miligrams d.30hectograms
- The following are the heights of the five buildings 18m 16m, 12m xm and 16m. If their mean is 16. Find the values of xm
a. 12m c. 18m
b. 80m d. 65m
- What is the mode of the a five heights
a. 18m c. 12m
b. 16m d. 177m
- Add 84.04, 22 ,0.55 and 8
a. 85.61 c. 84.89
b. 114.59 d. 92.81
- Arrange the following fraction is descending order $\frac{3}{10}$, $\frac{1}{5}$, $\frac{4}{15}$, $\frac{2}{5}$
A. $\frac{2}{5}$, $\frac{3}{10}$, $\frac{4}{15}$, $\frac{1}{5}$
B. $\frac{1}{5}$, $\frac{4}{15}$, $\frac{3}{10}$, $\frac{2}{5}$
C. $\frac{3}{10}$, $\frac{4}{15}$, $\frac{2}{5}$, $\frac{1}{5}$
D. $\frac{4}{15}$, $\frac{3}{10}$, $\frac{2}{5}$, $\frac{1}{5}$
- The product of two numbers is 288. One of the numbers is the sum of 7 and 5. Find the other number
a. 32 c. 144
b. 12 d. 24
- How many fortnights are there in 56 days
a. 8 c. 5
b. 2 d. 4
- Which of the following is a list of prime numbers only between 30 and 45
a. 31, 37,43,45 c. 31, 35,37, 43
b. 31,37,41,43 d. 31, 33,37,41
- Which of the following numbers is $\text{||||} \text{ ||}$
a. 19 c. 17
b. 7 d. 8
- A cellphone was a bought at k123 999. If a discount of k15 405 was given , find the selling price
a. K139 401 c. K108 594
b. K123 000 d. K108 549
- Express 45^0 as the ratio of full turn
a. 1 : 2 c. 1:4
b. 1: 8 d. 1: 6
- Mary is 9years old and chikond is n years old. If the difference of their ages is 31. How old is john?
a. 31 c. 34
b. 40 d. 44
- What is missing number in the following number pattern
[100, 2] [5, 40] [200, 1] [__,4]
a. 4 c. 146
b. 2 d. 50
- Express $3\frac{3}{7}$ as a decimal and write the **answer** to 2 decimal places

- ii. total money that getrude paid the post office

4marks

- b. A circular ground has diameter of 28.7m. calculate the length of wire that could be used to fence the ground [take $\pi = \frac{22}{7}$

3marks

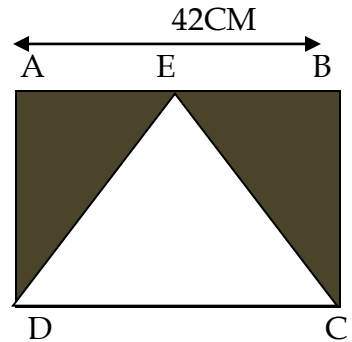
23.

- a. The commission charged for sending money by fast cash is 10%. If Getrude sent k20 500 to his mother by fast cash they transfer Calculate
 - i. commission paid

]

24.

- a. Figure 1 is a rectangle A B C and D with triangle CDE inside it

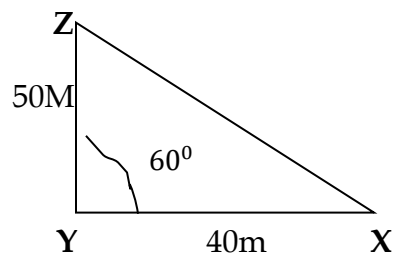


- If $AB = 42\text{CM}$ and $BC = 16\text{CM}$, calculate the area of shaded part

4marks

25.

- a. Figure 2 shows a drawing of triangle XYZ in which $xy = 40\text{m}$ and $XZ = 70\text{M}$ ANGLE $XYZ = 60^\circ$



- b. The value of television went down by 12% to k 24 6700 after one year. Find the original value of the television.

- i. Using a scale of 1cm to represent 10m , draw the figure accurately

- ii. Measure and state the length of ZX

26.

- a. Mphatso bought 5metres of cloth at k750 per metre, 18 bananas at 3 for k100 and $3\frac{1}{2}$ kg rice at k480 per kg. prepare a bill for mphatso

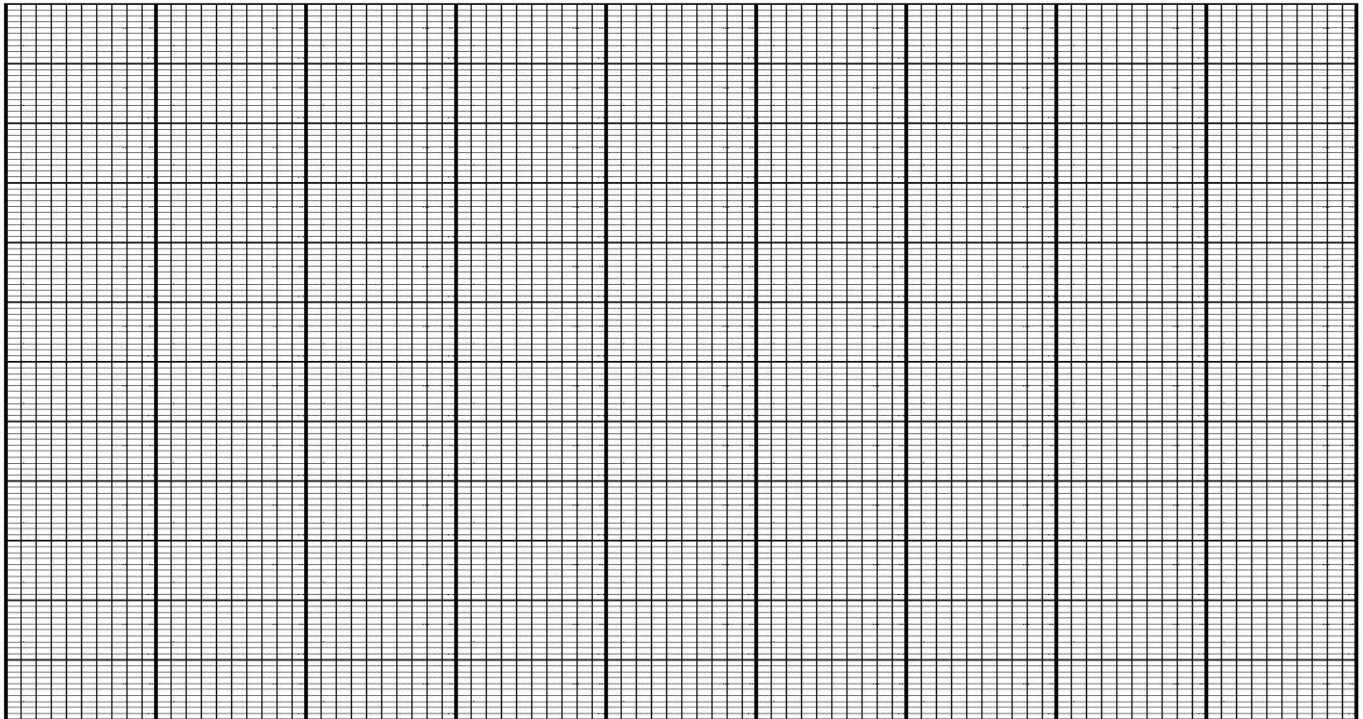
- b. Aminibus left Kasungu at 11:30 and reached Mzuzu at 3:00pm on the same day. If the distance is 15km, calculate its average speed?

27.

- a. Table below shows average rainfall recorded at a weather station for four weeks

week	Rainfall[mm]
1	35
2	47
3	18
4	20

Using a scale of 2cm to represent 10mm on the vertical axis, draw a linear to represent the information



4marks

28. A person paid k420 000 as a custom duty for the goods bought. If the rate of the custom duty was $52\frac{1}{2}\%$. Find the value of the goods

3marks

29. Mr phiri had k20 000 cash in hand on first January 2023. The following were her transaction

5th January paid for transport k6000

10th January sold eggs k12 000

27th January sold eggs k8000

20th January bought feeds k 5000

Prepare mr phiri's cash account as a balance it

5marks

END OF QUESTION PAPER