# KINGS SCHOOLS-KABOWA

## SET XXIV EXAMINATION 2020

## PRIMARY SEVEN MATHEMATICS

**NAME:** _____

**CLASS:** _____ **STREAM:** _____

## Section A.

1. Divide: **3 ÷ 6**

2. Change **8.97**km to metres.

3. Write '**four hundred two thousand, five hundred seven**' in figure.

4. Solve: $\frac{3}{4}x - 2 = 10$

5. Muggaga's salary is sh.**240,000**,what is **60%** of his salary?

6. Change $\mathbf{33_{five}}$ to base two.

7. Find the L.C.M of **15** and **18**.

8. Calculate the value of **r**.

$$\mathbf{2r \qquad r}$$

9. Given that a= $\frac{1}{2}$, b= $\frac{1}{4}$ and c = $\frac{1}{3}$, find $\frac{a}{b} \div c$

10. Simplify; **3r + 4p – r -5p**

11. Write **0.0109** in standard form.

12. Work out $\mathbf{1000_{two} - 11_{two}}$.

13. **12**men need **5** days to build a perimeter wall. How many men can do the same work in **3** days?

14. Solve: $\mathbf{2^x \div 2 = 8}$

15. There are **6315** books to be packed in **15** boxes. How many books will be packed in each box?

16. The ratio of girls to boys in a class is **3:5** respectively. If there are **30** boys. How many girls are in the class?

17. Work out; **3.65 - 4.92 + 2.72**

18. Find the unknown base.

**$34_{five} = 201_{K}$.**

19. The area of the figure below is $36cm^2$.

Find the height.

**h**

**12cm**

20. What number has been expanded?

**$(6x10^4) + (5x10^2) + (5x10^0)$**

## SECTION B

21. Two girls Bonitah and Damalie reported at the sickbay at an interval of **40mins** and **35mins** respectively.

a) After how did the two girls report at the sick bay at the same time? ( **3 marks**)

b) If the two girls reported together at the sickbay at **11:15am**. At what time will they report at the sickbay together again? ( **2 marks**)

22. Multiply. ( **2 marks**) ( **2 marks**)

a) 4 1 3
x 4 6

b) 23 10626

c) Write **0.415** in standard form.( **2 marks**)

23. a) Given that **m=3** and **n=4**, find the value of **2m – 2m**.( **2 marks**)

b) Subtract: (**2x-3y**) from ( **4y – 9y**) ( **2 marks**)

24. Subtract; (**3 marks**)

a) $2\ 2\ 1_{three}$
$-1\ 1\ 2_{three}$

b) Today is Monday, what day of the week will it be after **36** days? ( **2 marks**)

25. A car takes **3** hours to cover a certain journey at **60**km/hr but it takes only **2** hours to return through the same distance.
Calculate the average speed for the whole journey. ( **5 marks**)

26. In a class of **49** pupils, **20** like Maths(M), **25** like English (E) and Y like both Maths and English, **3y** like neither of the two subjects.
a) Complete the Venn diagram. ( **2 marks**)

**n(£) =49**

**n(M) =20** **n(E) =25**

**Y**

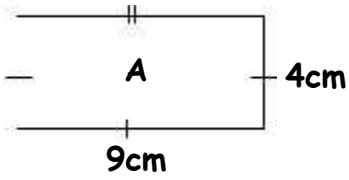
**3y**

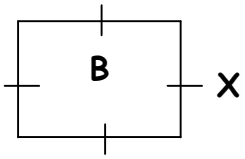
b) Find the value of **Y**. ( **2 marks**)

c) How many pupils like neither Maths nor English? ( **2 marks**)

27. Work out: a) $\frac{4.2x4.8}{9.6}$ ( **2 marks**) b) $\frac{2}{3} \div \frac{4}{8} x \frac{3}{4}$ ( **2marks**)

28. The rectangle **A** and square **B** have the same area.




a) Find the value of X. ( **2 marks**)

b) Work out the perimeter of the square. ( **2 marks**)

29. a) Find the least number that gives remainder **3** when divided by either **6** or **8**. ( **3 marks**)

b) Factorize completely $\mathbf{6a^2f - 3af^2}$( **3marks**)

30. Joanitah went shopping and bought the following items.

3kgs of meat at sh.9000 per kg. ( **5 marks**)

5kg of rice at sh. 4000 per kg.

2 $\frac{1}{2}$ litres of milk at sh.1200 per litres.

a)Find her total expenditure.

b)If she went with a fifty thousand shilling note. How much was her change?

31. In a class, $\frac{3}{7}$ are boys and there are **40** girls in the class.

a) Find the total number of pupils in the class. ( **3 marks**)

b) How many boys are in the class? ( **2 marks**)

32. a) Solve for **K. 3(K + 4) – 2 ( K-4) = 8**( **3 marks**)

b) Solve: $\frac{3}{5}k-5=10$ ( **2 marks**)

**End**