

GOMBE JUNIOR SCHOOL

MID TERM II EXAMINATION 2022

CLASS : P.7

SUBJECT : MATHEMATICS

TIME ALLOWED : 2 HOURS 30 MINUTES

Name _____ Stream _____

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO.

Read the following instructions carefully

1. This paper has two Sections: A and B.
2. Section A has 20 answer questions (40 marks)
3. Section B has 12 questions (60 marks)
4. Answer ALL questions. Answers to both sections must be written in the spaces provided.
5. All answers must be written using blue ink. Diagrams should be drawn in pencil.
6. Unnecessary alteration of work may lead to loss of marks.
7. Any handwriting that cannot be easily read may lead to loss of marks.
8. Do not fill anything in the box indicated for examiner's use only.

For Examiner's use only	
A	
B	
TOTAL	

SECTION A – (40 MARKS)

1. Work out: 96×4

2. Given the subsets of set Q as

$$\{ \quad \}, \{c\}, \{a\}, \{t\}, \{c,a\}, \{a,t\}, \{t,c\} \text{ and } \{a,c,t\}$$

How many element are in set Q?

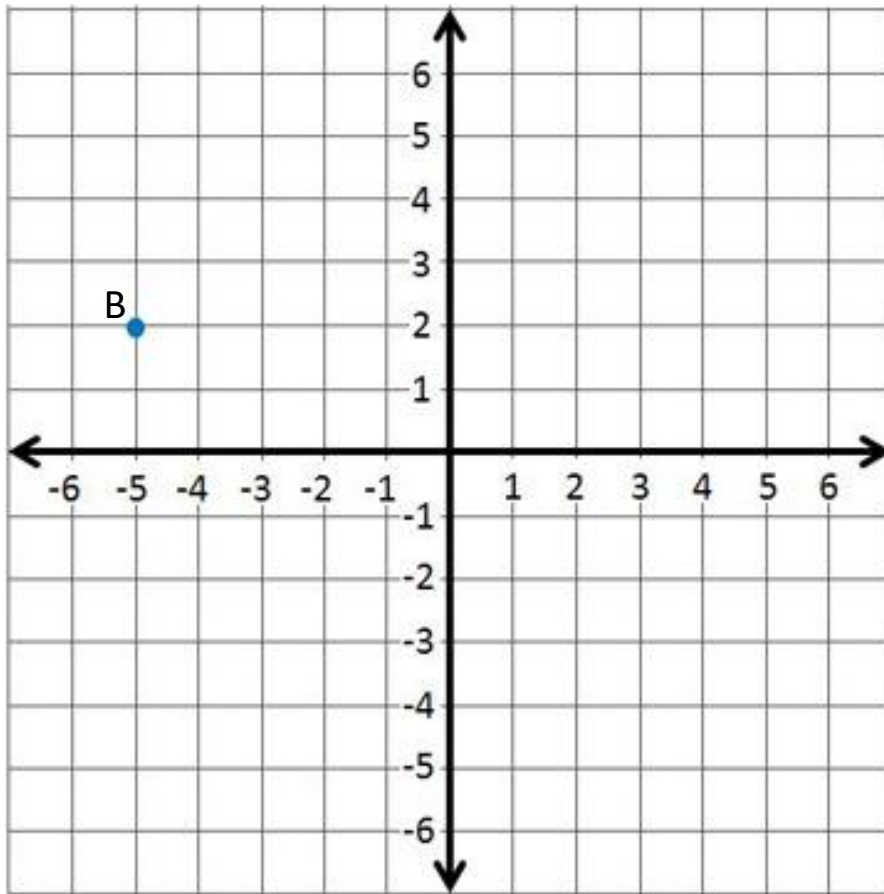
3. In a class of 30 pupils, the ratio of boys to girls is 2:3 respectively. Find the number of girls in class.

4. Find the next number in the sequence. 1,3,6,11,18,29, _____

5. With a help of a ruler, a pencil and a pair of compasses only. Construct an angle of 75° in the space

6. With a use of a number line, which integer is left of +2 ?

7. Below is a graph, study it and use it to answer question that follow.



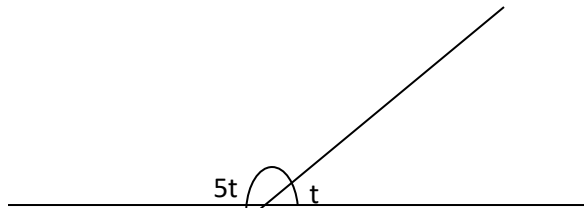
a) Write the coordinates of point B.

b) On the graph above, plot point Q(-5, +3)

8. Workout using distributive property. $(137 \times 14) - (14 \times 37)$

9. Josephine packed 4.5 kg of powdered milk in Sackets of 20gms each. How many packets did she have altogether?

10. Find the value of angle t in degrees.



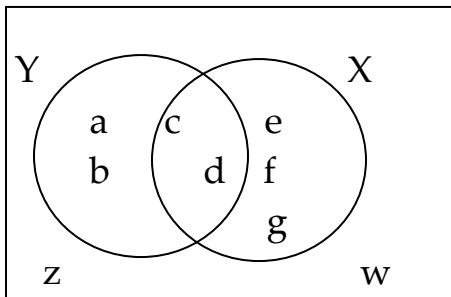
11. Convert 203_{five} to a decimal base.

12. In a company, match boxes are packed in boxes that hold 25 each at ago. If each match box has 25 sticks. Find the total number of sticks that two boxes will hold.

13. Joseph is 4 years younger than Aisha. If their total age is 16 years. How old is Joseph?


14. Express $0.4545\dots$ as a common fraction in its lowest terms.

15. Study the Venn diagram and answer the question about it correctly.



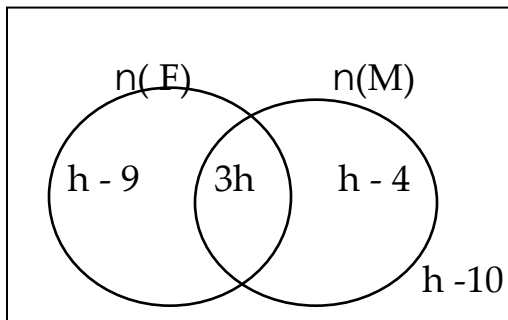
List down members of set Y complement.

16. Write 3:30am in 24 hour clock system.

17. A vehicle left Jinja at 8:10am and reached Kampala at 10:40 am using a speed of 60 kph. How far is Kampala from Jinja.
18. If  represents 9 balls, draw pictures to represent 45 balls.
19. Find the simple interest on sh. 280,000 at 15% per annum for 2 years.
20. Write 25% as a fraction in its lowest terms.

SECTION B: (60 MARKS)

21. (a) The Venn diagram below shows a class in which 35 pupils like Fanta (F) while others like Mirinda (M) and other drinks.



- a) Find the value of h . (2 marks)

- b) How many pupils like Mirinda? (2 marks)

22. a) Simplify: $\frac{0.0027 \times 0.16}{0.08 \times 0.9}$ (3 marks)

c) Workout : $1\frac{1}{2} + \frac{3}{4} \div 1\frac{1}{2}$

(2marks)

23. At Namayiba bus terminal, buses travelling to Jinja and Mbale leave after every 40 minutes and 30 minutes respectively. The first two buses leave to the two towns together at 10:00am. At what time will buses to the two towns leave Namayiba together again? **(5marks)**

24. Mukasa scored the following marks in a series of tests.

70%, 45%, 60%, 85%, 70%

- a) Find his median mark.

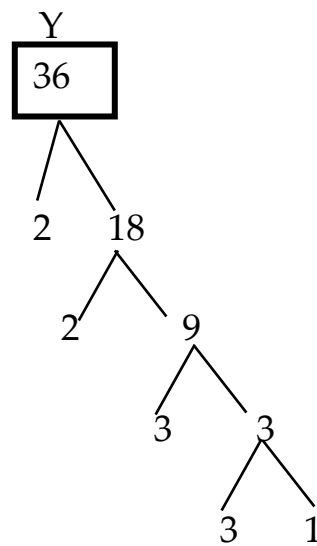
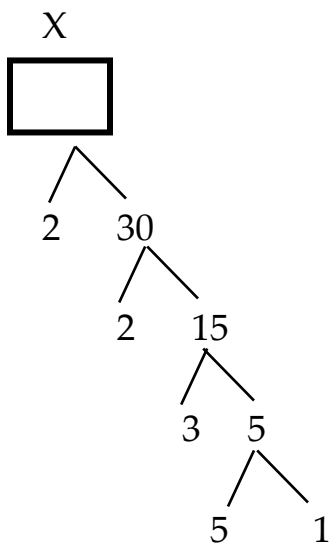
(2marks)

- b) What was his range?

(1mark)

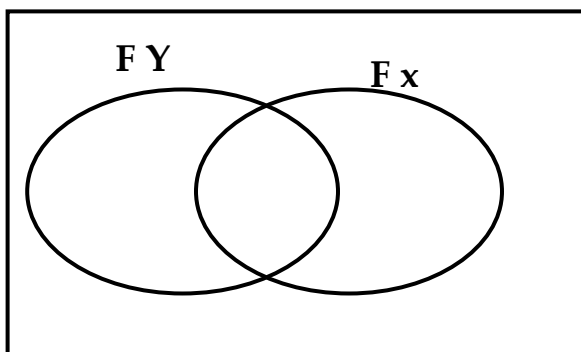
- d) Find the probability that Mukasa scored a mark above the average. **(3marks)**

25. Given below is the prime factorization of numbers represented by X and Y **(2marks)**

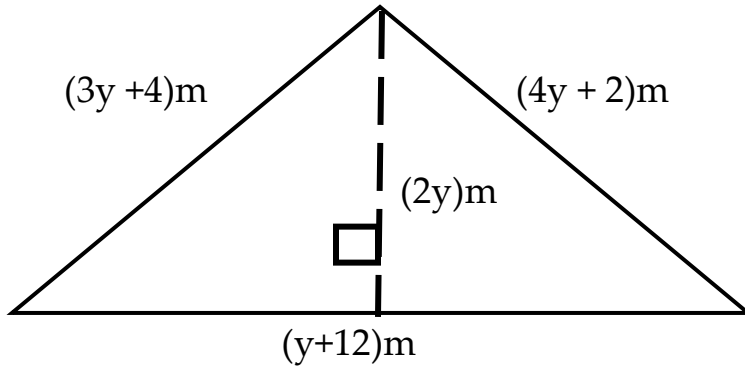


- a) Find the value of X **(2marks)**

- b) Represent the prime factors of X and Y on the Venn diagram below.



26. Below is an isosceles triangle. Use it to answer the questions that follow.



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

b) Calculate the area of the above triangle. **(3marks)**

27. Ayebale bought the following items from the market.

- 3kgs of beef at sh. 9,000 each kg.
- $2\frac{1}{2}$ kg of rice at sh. 3,000 per kg.
- 750ml of cooking oil at 6,000 a litre.

a) Find her total expenditure. **(4marks)**

- b) Workout her change if she used sh. 2000 for transport and she had gone with a fifty thousand shilling note. **(1mark)**

28. Using a pencil, a ruler and a pair of compasses only.

- (a) Construct a triangle RAT such that $RT = 8.5$ cm, angle $ATR = 90^\circ$ and angle $ART = 30^\circ$ **(4 marks)**

- (b) Measure the length of line AR in cm. **(1 mark)**

29. a) Subtract $m-7$ from $2m+3$ **(2 marks)**

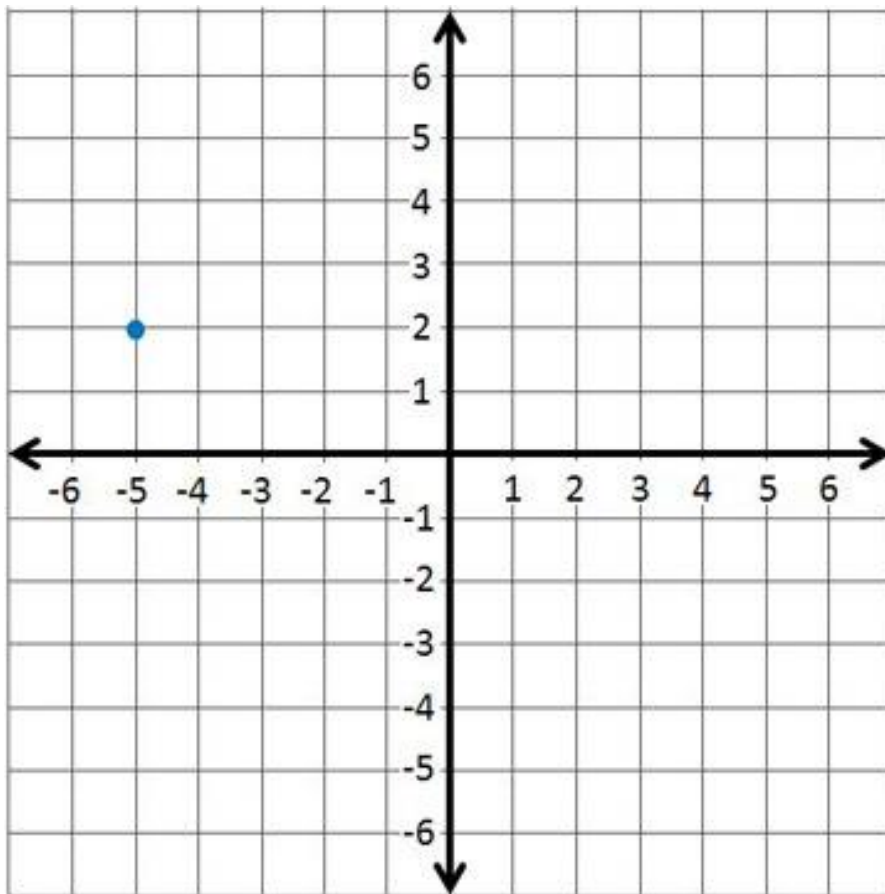
- (b) In a meeting, there were twice as many men as women. The number of children was half the number of adults. If there were 135 children, find the number of men who attended the meeting. **(3 marks)**

30. (a) A driver started his journey from town A at 8:30am and reached town B at 5:30pm covering a distance of 720km from A to B. If he returned at a speed of 120km/hr.
- a) How long did it take to move from town A to B? **(2marks)**

- (b) Calculate the average speed for the whole journey. **(3marks)**

31. In a class, $\frac{2}{5}$ of the pupils are boys and there are 15 more girls than boys.
Find the total number of pupils in the class. **(4 marks)**

32. On the grid below, plot the points A(+1, +4) B(+1, -3) C(+4, +2) and D(-2, +2) **(4marks)**



- b) Join points A to C, C to B, B to D and D to A. **(1mark)**
c) Name the polygon formed. _____ **(1mark)**

***** END *****