

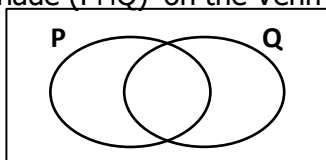
P.6 MATHEMATICS REVISION TEST 1 2021

NAME: _____

STREAM: _____ TARGET: _____

SECTION A (40 MARKS)

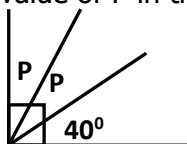
- Work out:
$$\begin{array}{r} 8,957 \\ + 1,111 \\ \hline \end{array}$$
- Convert 24,000 ml into litres.
- Write in figures: "Two hundred two thousand, four hundred three"
- Solve for K: $K + 2 + 4 = 13$
- Shade $(P \cap Q)'$ on the Venn diagram.



- Express CDXXIX as a Hindu Arabic numeral.

7. Subtract:
$$\begin{array}{r} 320_{\text{five}} \\ - 12_{\text{five}} \\ \hline \end{array}$$

- Express 7 days as a ratio of 3 weeks.
- Add: $\frac{2}{3} + \frac{3}{4}$
- A driver transports 670 passengers a day. How many passengers can the driver transport in 8 days?
- Round off 352 to its nearest hundreds.
- If set $A = \{\text{All factors of } 18\}$, find $n(A)$.
- Find the value of P in the diagram below.



- Find the greatest common factor (GCF) of 12 and 18.
- If set $P = \{\triangle, \bigcirc, \star\}$, how many proper subsets are in set P?
- Increase 250 pens by 20%.
- Mabior borrowed sh.120,000 from a money lender at an interest rate of 10% per annum for 4 years. Find her simple interest.
- Given that the prime factors of $60 = \{2_1, 2_2, 3_1, 3_2, K\}$, find the value of K.
- Kato bought a cock at sh.20,000 and later sold it making a loss of sh.3000. Calculate his selling price.

20. If  represents 20 trees, draw trees to represent 70 trees.

SECTION B (60 MARKS)

- A father gave sh.360,000 to his three children Jane, Anna and Billy in the ratio 3:2:5 respectively.
 - Find each one's share of the money. (4 marks)
 - How much more money did Jane get than Anna? (2 marks)
- Expand 6903 using values. (2 marks)
 - Find the number that has been expanded to give: $(4 \times 10^2) + (8 \times 10^4) + (6 \times 10^5) + (7 \times 10^3) + (6 \times 10^1) + (3 \times 10^0)$ (2 marks)

23. (a) Subtract:
$$\begin{array}{r} 983112 \\ - 14279 \\ \hline \end{array}$$
 (2 marks)

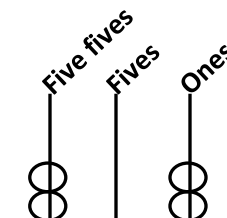
- (b) The table below shows the water metre reading at the start of the month of June and the end.

START	END
437,628 units	450,530 units

How many units were used in that month?

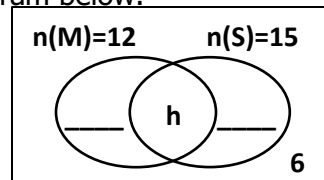
(2 marks)

24. (a) Convert the base five numeral shown on the abacus into base ten. (3 marks)



- (b) Convert 8_{ten} into base five. (2 marks)

- Form all the possible 3 – digit numerals from the digits 8, 0 and 6. (2 marks)
 - Without dividing directly, prove that 100,101 is exactly divisible by 3. (3 marks)
- In a class of 63 pupils, 12 pupils love Mathematics (M), 15 pupils love Science (S), h pupils love both subjects while 6 pupils love none of the two subjects.
 - Show the above information on the Venn diagram below. (2 marks)



- (b) Find the value of h . (2 marks)
 (c) What is the probability of choosing a pupils at random who loves Mathematics from the class? (1 mark)

27. (a) The cost of 3 pens is sh.1,500. Find the cost of 7 pens. (3 marks)

(b) 8 men can slash a compound in 9 days. How many days can 18 men working at the same rate take to slash the compound? (3 marks)

28. (a) Using a pair of compasses, a sharp pencil and a ruler only, construct a square **VMPS** with a side $VM = 4.5\text{cm}$. (3 marks)

(b) Find its perimeter. (2 marks)

29. Complete the table below correctly. (5 marks)

DENOMINATION (SHS)	NO. OF NOTES	AMOUNT (SHS)
5,000	3	_____
2,000	_____	12,000
_____	4	40,000
TOTAL	_____	_____

30. The picture graph below shows the number of vehicles washed at 3 vehicle washing bays.

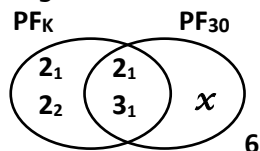
WASHING BAY	NUMBER OF VEHICLES
Kisenyi Park	
Classic Night Parking	
Sheraton Hotel	

KEY:  represents 35 vehicles.

(a) Find the number of vehicles which were washed at Sheraton Hotel washing bay? (2 marks)

(b) How many more vehicles were washed at Kisenyi Park than at Classic Night Parking washing bays? (3 marks)

31. Study the Venn diagram below and use it to answer the questions.



(a) Find the value of K . (2 marks)

(b) Work out the value of x . (2 marks)

(c) Calculate the LCM of K and 30 using the Venn diagram. (2 marks)

32. Below are the rate at Entebbe Express Forex bureau as per the date 25/04/2021.

1 US Dollar (US\$) costs Ug.sh. 4,200

1 Euro (€) costs Ug.sh. 5,000

(a) Muwaya has US\$ 500, how much in Uganda shillings does he get? (2 marks)

(b) Change Ug.sh. 6,500,000 into Euros (€). (2 marks)

*****THE END*****