

PERFECT EDUCATION SERVICES - KAMPALA

PRIMARY SEVEN PRE PLE SET TWO EXAMINATIONS 2022

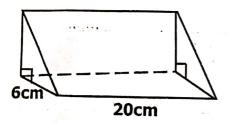
MATHEMATICS

Time Allowed: 2 hours 30 minutes

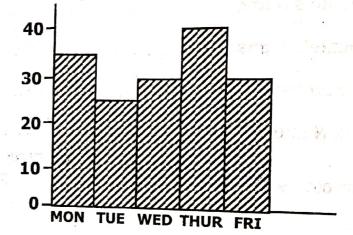
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1. Workout:					CTION A 2. \	Write Nin		r ed ninety r ty in figure		
3. Find the ne 16, 4,	ext nun 1 , _	nber in t	the sequ	ience:	4.	Draw a ve ducks	enn diag (D) are l	ram to shov birds (B)	v that all	
5. Simplify:	6xy² 24x²y	_		1	6.	clock?	g s.o.	23pm on a	24 hour	
			45 1 5 5 5 7	1901.			and the same of	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

7. Using a ruler, a pencil and a pair of compasses only, construct an angle of 150°

9. The volume of the prism below is **480cm**³. What is the height of the prism



10.The graph below shows the daily attendance of pupils in a class of **40** What percentage of pupils were present on Tuesday?



11. The temperature on Mt. Elgon was -17° Celsius at midnight. By midday, the temperature rose to 23°C Celsius. What was the raise in temperature?

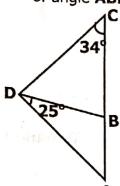
12. The area of a square flower garden is $1\frac{13}{36}$. Calculate the length of its sides.

- 13.Arrange the following numbers in descending order: 0.4040, 0.0404, 4.400, 4.040
- it at **sh. 3800**. If he got a loss of **sh. 700**, find his selling price

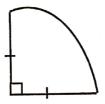
- 15.In the triangle ADC, angle ADC=80° and angle ACD = 34°. Find the size of angle ABD
- 16. What should be added to 3y+3 to get 4y-4?

the difference of the state of the same had a

officers, BS to 1.45 seems a milegraph of class.



- 17.If represents 8 oranges, how many oranges are represented by
- **18.**The perimeter of the figure below is **50** dm. Find its radius



- 19.A parent increased the daughters' pocket money from sh. 40,000 to sh. 60,000. In What ratio was the pocket money increased?
- 20. A mathematics test ended at 1:15pm after having lasted for 2hours 30minutes. At what time did the lesson begin?

THE WAR

SECTION B

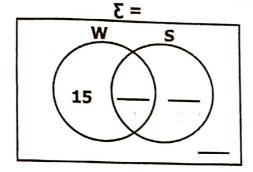
- **21.**A trader sells oranges in heaps of five and eight. A heap of five oranges costs **sh. 600** and a heap of eight oranges cost **sh. 1000**. He had **P** heaps of five and **15** heaps of eight manages.
- a) If he sold all the oranges and got sh. 22200 altogether. Find the value of P. (3 marks)

	(2 marks ₎
22.In a village SACCO, Omoding deposited sh 180,000 at a simple interest raper annum.	te of 7½ %
a) Find the interest he had at the end of 20 months .	(3 marks)
Pi Mari positivamo, osem per estas presentante de la general de la general de la general de la compansión de	
b) If he used his total amount of money he had at the end of 20 months to buy sh 4005 each, how many shares did he buy?	y shares at (2 marks
	10.00 pt
23.a) Find the product of the value of 3 in the number 4309 and the value of number 10.693	9 in the (4 marks

b) Write **MCMIX** in words

(1 mark)

24.At a birthday party, 15 guest were served water(w) only, 17 guests were served Soda (s) only X guests were served both water and soda and 2x did not drink anything. Use the information given above to complete the venn diagram below



b) If forty four guests attended the party, how many guests did not drink soda at all?

25.In $1\frac{1}{2}$ hours, John's car uses **8L** of diesel to cover **90 km** while travelling at the same (2 marks)

a) What distance does he cover if his car consumes 12litres?

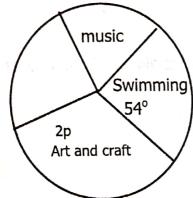
b) The cost of 1 litre of diesel is sh.2500. If John maintains the same speed, find the cost (3 marks) of fuel needed to cover a distance in 3 hours. Jang Grad Tanana di Salama di Kalama

26.a) Given that: $\mathbf{m} = 3\mathbf{k} = -6$. Find the value of $3\mathbf{m} - 6\mathbf{k}$

(2 marks)

b) Solve and find the solution set for the inequality if x is a positive integer: $-4 < 2x \le 6$ (3 marks)

27.1080 pupils participated in different societies as shown on the pie chart.



a) If **216** pupils participated in music. Find the value of **p**.

(3 marks)

- b) How many more pupils participated in Art and craft than in swimming club? (2 marks)
- **28.** The mean of four consecutive counting numbers is **18.5**. If the largest number is d-2, (4 marks)

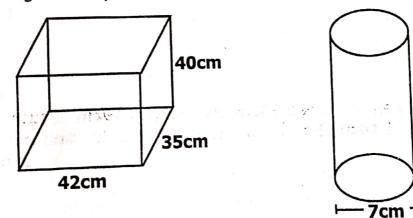
(minning)

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29.Using a ruler, a pair of cor where TV=5.4cm, VS=7	mpasses and a pencil only, construct a paral 7cm and angle TVS=105°	llelogram TVSU (4 marks)
b)i) Drop a perpendicular from	S to meet line TV at point O	(1 mark)
jo jagan se ansi		
(ii) Measure length OS.		(1 mark)
	rate.	
climbed 67cm and then	scm deep. It climbed 58cm , then slipped 1 slipped 14cm . How many cm does it need	.9cm, it again If to climb in order to (2 marks)
get out of the hole?		(Z IIIdi KS)
o) If today is Friday 13th Oct osame year?	ober, what day of the week was it on the :	18 th Of August the (3 marks)
Sanders f.)		agenta of ab ₹

31. A tank is 4 full of water. When 1 of that water is drawn, the water needed to make the tank full can last a family 42 days. How many days does a full tank last? (4 marks)

32.In a factory, cylindrical tins of diameter **7cm** and height **10cm** are packed in a box measuring **42cm** by **35cm** by **40cm** as shown below.



a) How many cylindrical tins can be packed in the box

(2 marks)

10cm

b) Work out the volume of the box left un occupied.

(3 marks)