

ADJUMANI PRIMARY SCHOOLS HEADTEACHERS' ASSOCIATION

PRIMARY LEAVING MOCK EXAMINATION, 2024 MATHEMATICS

Time Allowed: 2 hours 30 minutes

		Random Number						Perso	sonal Number		
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Re	ad the followin	g instr	uctions	careful	ly:				1 .	SE ONLY	
1.	This paper is	made	up of tw	o Sectio	ns: A ar	nd B.			Qn. No.	Marks	Exrs' No.
2.	Section A, ha	s 20 sho s 12 qu	ort-answ estions (ver ques 60 mar	tions (40 ks)) marks	and		1 - 5 6 - 10		ν
3.	All the working	ng for b				nust be sl	nown in		11 - 15 16 - 20	1.00	NA .
	the spaces pro		marks	1 656	1905	9 dDi. (11.		21 - 22	-	
4.	All working n or fountain p	nust be en. Or	done usi ily diag	ng a blu rams sl	e or blac hould b	e done	in pencil	l .	23 - 24	-	-
5.	No calculators		-						25 - 26		
	Unnecessarya						rks.		27 - 28	= 8 -	· C · a
6. _	Anyhandwritin						1		29 - 30		
7. 8.	Do not fill anyth							ly"	31 - 32 TOTAL	,	

Turn Over

Workout: 67 - 42.

Maria went to the bank and withdrew five thousand shillings notes numbered from AP6342201 to AP6342300. How much money did she withdraw?

- 2. Write 16.49 in words.
- Given that Set R = {a, b, c}. List the proper subsets of Set R.
- 8. How many $\frac{1}{4}$ litres of milk can be got from a 20 litre jerrycan of milk?

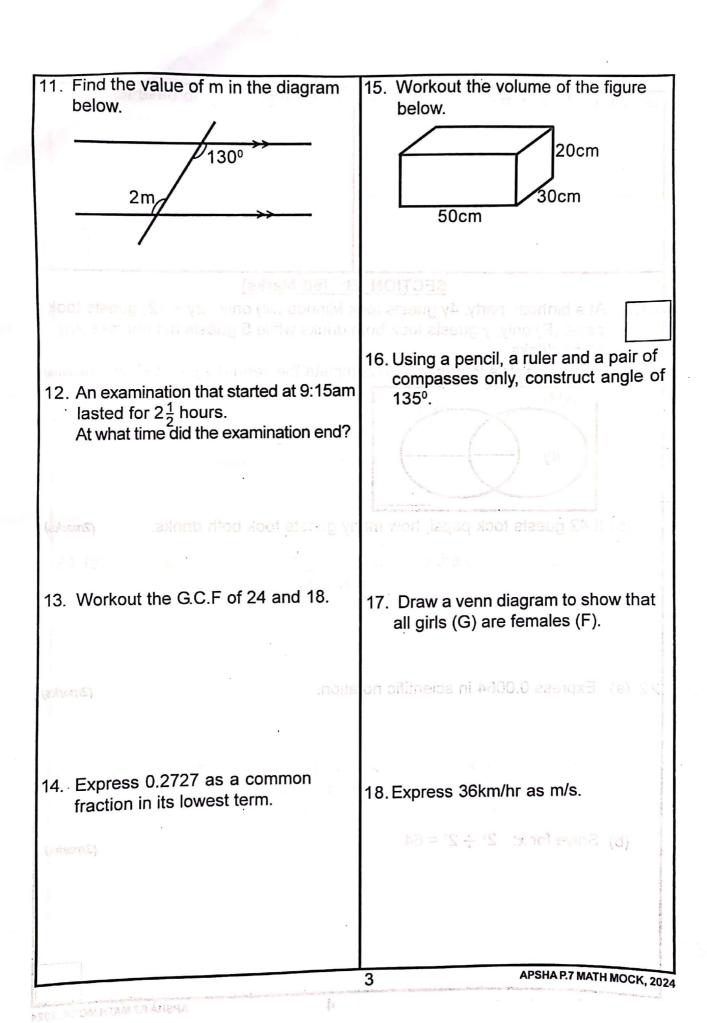
4. Workout: $\frac{3}{5} + \frac{1}{3}$.

- 9. Simplify:
- 5. Find the next number in the sequence. 125, 64, 27, 8,
- 10. The average marks scored by three girls is 23. If the total marks scored by two girls is 51.

Find the marks of the third girl.

6. Solve: 2x - 3 = 11.

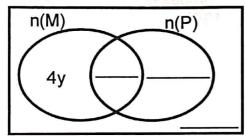
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19	Workout:	2	+	6 =	(mod	7)	
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SECTION B: (60 Marks)

- At a birthday party, 4y guests took Mirinda (M) only, (2y + 12) guests took pepsi (P) only, y guests took both drinks while 5 guests did not take any of the drinks.
 - (a) Use the above information to complete the venn diagram below. (3marks)



- (b) If 42 guests took pepsi, how many guests took both drinks.
- (2marks)

22.(a) Express 0.0064 in scientific notation.

(2marks)

(b) Solve for x: $2^x \div 2^1 = 64$.

(3marks)

23. Sarah went to the market and b	Ought the fall to	
4 bars of soap at sh.3500 per b	ought the following item	is.
$2\frac{1}{2}$ kg of sugar at sh.2400 each	اما. ادم	
18 oranges at sh.3000 for ever	rg.	
(a) Workout Sarah's total expendit	y o oranges.	
outune total expendit	ure.	(4marks)
alban succells bis meeting income		
the value of m in degrees. Comme	UTI- (E)	
	/bout	
4.5.15	1 ans (1	111
(b) If she was given a discount of 1	0%, how much money of	did she pay for the
items.	\	(2marks)
	The state of the s	
this monthly income.	ies Sh. 120,000, viorkou	See H (d.)
		^
24. (a) Workout: 1001 _{two} + 101 _{two} .	(b) Find the value of 6	in 463872.
(2marks)		(2marks)
+		
Wolfot finds sociated in the same of the	ne ligure below and us	Kuhuta ini
for First the president schanges)	a fanta
ABCD. (Smarks	The state of the s	
12	MIN	1////
· m	1///	1///
	1 1////	
25. James uses $\frac{2}{5}$ of his land growing	ng cassava, $\frac{1}{3}$ of the rem	nainder for
growing beans and the rest for	growing simsim.	- Laboratoria
(a) Find the fraction of the land he	uses for growing simsim	. (3marks)
tempins) had		
10000000		
		1-2
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(b) If his total land size is 15 he	ctares, hov	w many hectares does	he use for
growing beans?			(2marks)
oranges.			27
(Associal)			AV n)
			Ì
26. The pie-chart below shows how Use it to answer the questions	that follow.		come.
(a) F	ind the va	llue of m in degrees.	(2marks)
Fees Food m 3m			
		nocalb e nach das discon	9 13 ×72
Savings			ati.
(h) If he serves Ch 120 000 wa	wka ut bia n	anthly income	(3marks)
(b) If he saves Sh.120,000, wo	rkout nis n	nonuny income.	(Siliarks)
1			
	140	,	
Find the value of 6 in 463872.			N (a) 43
{2marks}			
:			
27. Study the figure below an			
	C (a)	Find the area of the in ABCD.	(2marks)
			,
	14cm		
///\\	ndiword		el 20
	ong tol lar	ar ed ons chead power	1.5
A 20cm	ole (a)		nH (s)
(b) Calculate the area of the cir	cle. (c)	Workout the area of the part. (2ma)	
		,	,
	,		
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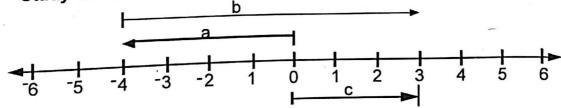
28. The sum of 3 consecutive numbers is 93. If the first number is less than the second number n by 2, find the value of n.

29. (a) Using a ruler and a pair of compasses only, construct a parallelogram PQRS where \overline{PQ} = 6cm, QR = 4cm and angle P = 60°.

(b) Measure the diagonal QS in cm.

(1mark)

Study the numberline below to answer the questions about it. 30.



State the integers represented by; (a)

(1mark each)

- (i)
- (ii)
- (iii)
- Write the mathematical statement represented by the numberline. (b)

APSHA P.7 MATH MOCK, 2024

31. (a)	Solve the	inequality: $\frac{3x}{4}$	- 8 > 1.		(3marks)
S 1000					
(b)	Simplify:	6k - p + k + 8	p.		(2marks)
nen				To time a time calculation	
(SEIEME				where PO = Both (A SHICH
-					
-					
32.	A car took through th	2 hours to cov e same route i	er a certain jo n 3 hours	urney at 160km/hr.	It then returned
(a)		ance did it cove		first journey?	(2marks)
		,			
mark			er mo n	the diagrant OS i	M 78-51.0
		-			
(b)	Workout th	e average spe	ed of the car	for the whole journ	ney. (3marks)
				E	
3					10
				right at gains are	3 b
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sni	hedmun er	resented by the	ger Insmoluta		and (iii)
	Avenus		**END**		
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