THE SUPPORTUNARY SEVEN MOCK II MATHEMATICS MARKING GUIDE - 2024

TH	E SIPRO	PRIMARY SEVEN MOC	AWARD	REASON	COMMUNT
NO	LEVEL SOLUTION		B ₂	For the answer	Involve word statements
	P.3	2 0 4			when operating.
16	Para S	- 9 3 11 1			Expose candidates to a
	D.4	5 vertices	B ₂	For the answer	variety of solid shapes and
	P.4	3 vertices			identify the edges, vertices
	1 1 1 1 1 1				and faces.
				For the method	Operate and regroup bases
3.	P.5	Base No Pem 13+2=6r1	M ₁	Till die m	involving word problems.
	The second	2 13 1 6+2=3r0			
		2 6 0 3+2=1r1			
		2 3 1		1 3 3 3 3 3 3 3 3	
		2 0	Λ1	For the answer	
		1101 _{two}		10. 21.	Help candidates to operate
4.	P.4			The state of the s	fractions involving word
**		1 + 3	12 1 12 14 1	A Sand Barrier	statements.
	13 13 7 3	$\frac{3}{2} + \frac{3}{1} = \frac{(3x1) + (2x3)}{2}$		For the method	Accepts
	13 75 75	= 3 + 6	Mı	Por the method	1 11 + 3
	1 35	2			$(1+3)+\frac{1}{2}$
	1 -3 -4	= 9 2		For the answe	2
			Λ ₁		4 + 1 2 11
		= 41/2	HELD HE BOOK		41
	1000				
3,		A CONTRACTOR OF THE PARTY OF TH		The said	Draw and construct angles.
	The second	To the	451		
	1	1.	B ₂	For the answ	cr
		* > `	102		THE PERSON NAMED IN COLUMN TWO
	/	1.07	5	- 128 - 25 93	
		30	The state of the s		
		The state of the s			
Ď.	P.6	27°C +(*5°C)	Mı	For the met	hod Expose candidates to solving
		27°C + 5°C		36 15 1	integers using word
		32°C		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	statements.
			A ₁		
7.	P.5	Buying price	M	For the met	
	The state of the s	sh. 605,000	A STATE OF THE PARTY OF THE PAR	201	identify the S.P, B.P, profit.
	The Same				etc.
		+sh. 63,000 sh 668,000	A	Easthann	THOSE I
		sh. 668,000	Λ	For the ans	swer
1.	P.6	sh. 668,000			
	P.6		А		swer Make a review on set
	P.6	sh. 668,000			
	P.6	sh. 668,000			swer Make a review on set
	P,6	sh. 668,000			swer Make a review on set
	P.6	sh. 668,000			swer Make a review on set
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	P.6	sh. 668,000			swer Make a review on set

				56	probability in fractions and decimals.
9.	P.6	Probability = $n(\varepsilon)$ n(S.S) $n(\varepsilon) = 6$ n(S.S) = 6+7	B ₂	For <u>6</u> 13	
		= 13 Probability = 6			Revisit conversion of time Revisit conversion of time
10.	P.7	13 11: 35pm	B ₁	For 11: 25p.m	Revisit conversion of time from12hour clock to 24 hour clock and vice-versa.
7		11: 35pm +12: 00hours 23: 35hours	B ₁	23:25hours	Revisit types of numbers and
			B ₁	For listing them	apply them.
11.	P.5	11, 13, 17, 19	B ₁	For the answer	apply them. Apply integers in our daily
12 1	P.7	They are 4 prime numbers	В1	For the use of a dial	lives.
		(5 + 3)	B ₁	For the answer	
13. P.		2 - 6 = 3(finite) T = P x R x T 100 sh 130,000 x 8 x 6	M ₁	For the method	Make a review on finding principle, rate and time.
		sh.1300 x 48 = sh.62400	Λ ₁	For the answer	
14. P.7	1	T O T II 4 8.9 7	M ₁	For the method	Expose candidates to rounding off decimal numbers and whole
	-	+ 0 1 1 9. 0	A ₁	For the answer	numbers.
15. P.7	(5b	.97 4 9.0 0 - a) - (2b -a) - a - 2b + a	M ₁	For the method	Make a review on equations with different approaches.
	3b - 3b	- 2b + a -a + 0	Λ_1	For the answer	
16. P.7	-07	2:05 <u>::45</u>	M ₁	For the method	Accept 12:05 4:15
	He w	: 20 vaited for 4 hours 20 minutes	Λ ₁	For the answer	- 7 : 45 + 05 4 : 20 4:20 He waited for 4 hours 20 minutes.
17. P.6	2	+ d = 36m 12d + d = 36	M ₁	For the proper substitution.	Make a review on finding area and perimeter for parts of a circle.
	7	d = 36 7 + d x 7 = 36 x 7	A ₁	For 14m.	
	7 11d+	7d = 36 x 7 36 x 7 18			
			The state of the s		St. of the contract of the last of the contract of the contrac

	18.	P.7	(116 x 41) - (21 x 16) 16 (41 -21) 16 x 20	MI	10	distributive property and operates correctly.
			160 x 2 320	Λ_1	For the answer	
	19.	P.6	100cl = 1l, 1cl. = 1 l, 100 560d = 1 x 56Øl.	M ₁	For the method	Make a review on metric conversion.
			10Ø = 56L 10			
			= 5.6 Litres	Λ ₁	For the answer For the method	Accept if one has listed the
	20.	P.6	2 24 30 3 12 15 4 5			prime factors of 24 and 30.
			= 2 x 3 = 6	Λ1	For the answer	
+				SECTIO		Expose candidates to
	21.	P.7 a)	n(ε) =30 n(B) =15 n(L) =x	Bi	For each correct gap filled.	different terms used in sets.
			10_(5)x-5	B ₁	11 11	
			x-2	B ₁		
			15-5			
		b)	x-5+5+10+x-2=30 x+10-2+x=30			
'			$x + x + 8 - 8 = 30 - 8$ $2x = 22^{-11}$	B ₁	For x = 11	
			X = 11 n(B) only + n (n(h) only		And the second	
			10 + 11-5 10 + 6			
			= 16 farmers	B ₁	For 16 farmers	
2	2	P.6 a)	2 200 2 100 2 50 2 25 5 5	M ₁	For the method	Make a review on prime factorization using the ladder and the factor tree.
13			2 x 2 x 2 x 5 x 5	A ₁	For the answer	and the second second
	1	b)	L x h = area L ^z = 1.96km			
			$L = \sqrt[3]{1.96} \text{km}$			
			L = <u>196</u> km 100			
		+	2 196 2 98 7 49 7 7 2 100 2 50 5 5 1 1			
			2 22 x 72 dm2	M ₁	For the method	Make a review of types of
		THE SIP	RO MOCK II MATTIEMATICS MARKIN	10 0×1×-	222	numbers and divisibility tes

T	T	2 27 × 52	Λ1	For the answer	
		14dm			
		10			Practice application of
23	P.7 n	14dm 60% are unemployed 100% - 60% = 40% 40% are employed 40% rep 500	Bi	For 40%	percentages and expose them for practice.
		10% rep <u>500</u> 40 100% rep <u>500</u> x foo-	В1	For the method	
		= 50 x 25			
	-	= 250 x 5	Bi	For the answer	
		1250 people	B ₂	For the answer	
	b)	60% - 40% =20%	The state of the s	For the method	Make a review on
24.	P.7 a)	Sum of $21n < S = 1$ app angle. $40^{\circ} + 86^{\circ} = 3d$	M ₁	Por the means	make a review on complementary angles and apply correctly.
		126° = Xd		For the answer	1 2 3 3 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1
		$ \begin{array}{cccc} \mathcal{S}^1 & \mathcal{S}_1 \\ d = 42^0 \end{array} $	Λ_1		
	b)	900 - 400 = 500	M ₁	For the method	
		180° - 86° = 94° c + 50° + 94° = 180°			
		e + 144° - 144° = 180° - 144° e = 36°	Λ1	For the answer	
25.	P.7 a)	18 - t = 3 + 2t	D.	For collecting like variety of	Expose candidates to a variety of related questions
		18 - 18 - t = 3 - 18 + 2t t = -15 + 2t	B ₁		and correctly apply them.
		-t - 2t = 15 + 2t - 2t -3t = -15	B ₁		
		-3 -3			
-		t = 5 2a + 2b	B ₁	For the answer	
		(2xa) + (2x b)	B ₁	For the interpretation.	
	1	2 x 5) + (2 x 7) 0 + 14 4	Bi	For the answer	
26. P.7		30 x 8) years = 240	B ₁	For 240	Revisit statistical terms and
		20 x 13) years = 260 verage = <u>sum of dates</u>	B ₁	For 260.	apply them.
		number of pupils	B ₁	For 500	
	21	00	B ₁	For division	
	$=23\frac{17}{21}$		B ₁	For the answer	
27. P.6		1 x 3.2			
	$ \begin{array}{c} 0.03 \\ 51 \times 32 \\ 10 & 10 \end{array} $ $ \begin{array}{c} 3 \\ 100 \end{array} $ $ \begin{array}{c} 51 \times 32 \times 100 \end{array} $			For the method	Expose candidates to a variety of related questions.
	17	10 3-1 ×32 129	Λ_1	For the answer	
	The state of the s	MOCK II MATHEMATICS MANY		of the answer	

		E CONTRACTOR								ite fractions with
T	(b)		1 + 3 4				Car	the method	Opera	ent operations.
		5-13	+x A	The same of		Mı	lini	(IIC IIIC		
		5 - 2	+x 4 3 2 = (5x1)-(2x2 3 6				For	. 1		A SECURE AND ADDRESS OF THE PARTY OF THE PAR
		6 3	3 6 = 5 - 4			Λ1	Poi	6		AND THE RESERVE
			6 = 1						1	
28.	P.6 a)		6		- 10					to interpret
20.	Denomina	tion	No of notes	Amount	7	344	For	r each correct	1	question and award Bo
1	Sh.50,000		40	Sh. 2,000,00	0 1	Bı	gal	p filled	with	nout the working.
	Sh.20,000		50	Sh. 1,000,00	8	B ₁	1			
	Sh.10000		80	Sh. 800,000	Н	B ₁				No. of the Local Division in the last
	Sh.3000	2	100	Sh. 300,000		Bı	1			
	Sumoon		100	Sh. 4,300,00	Н	B ₁				The state of the s
				Unit 1,	F	Di	1		212	A A STATE OF THE S
	A Transfer		0,000 x 40 2,000,000		18					
133	11 54 13	1								
		sh 2,	0 0 ,000 ,0 0 ,000		1		1			
	1 2 1 1	= 5 sh 2	,000,000							
1		sh 1	,000,000						1	
1			,800,000					The state of the		d and
29.	P.7	D = S		- 10 10 1	T	7.74	T	197	F	Revisit distance, time and speed and apply return
			5km x 2hours						j	ourney.
		= 7	75km x 2			Bi		For 150km		
			150km aining journey			Di	1		7	STATE OF THE PARTY
		D = S				B ₁		For 180km		The state of the last
1		1			1	1				
1		= 1	0km x 3 80km			B ₁		For the		
		Avera	age speed = (15	<u>0 + 180</u>)km + 3)hours				substitution		
1	THE S		66	km/hour		B ₁		For 330km	A 1 1 1 1	
			8			Bı		For the metho	d	
20	26 0	2- /		m/hour	+				1	Expose candidates to algebra
30.	100	dm		HI		B ₁		For the equat	ion	involving shapes like square
			1 = P + 6 1 + 4 = P + 6	. 1				120		triangle, cuboid, cylinder, et
			P + 4 = P + 6	+ 4		Bı		For P = 10		· 一种 在 在 在 在 在 在 在 在 在 在 在 在 在 在 在 在 在 在
		2p - p	o = P - P + 10							
		P = 10								
-			THE RESERVE OF THE PERSON NAMED IN							

						Make a review on finding the
			m. Odm	B ₁	For 16 dm	
		b)	Length = (P+6)dm =10+6dm	I Rom	For the method	solid shapes.
			= 16dm LxW = area	Mı	Por the mean	
			16dm x w = 240dm ² 16dm x w = 240dm ² 16dm x w = 240dm ² 16dm x w = 240dm ²	Aı	For the perimeter	
			W = 15dm			
			Perimeter = 2(1, + W) = (16dm + 15dm) =2(31dm)			
			= 62dm	Sı	For sketch	Emphasise neatness and
	31. P.	7 a)	C	Li	For 8cm	accuracy.
				C ₁	450	
			* *	Li	For line AC	
				C ₁	For 45°	
			45° 45°		101 43	10 St. 10 Land 19 10 10
		4	Scm	B		The second second
		1 3 6		A Paris		
					1 1 23	1239 11 11 11 11 11 11 11
			C			
	-			100	2 Ten Marie	
		11	* */	1		
		K	-X X	×		Maria Cara Cara Cara Cara Cara Cara Cara
		TT,	/2	ica i		NOTE OF THE PARTY
	1-	11/3	4	7/2)	7 73334 3344 3
		4	8cm	', 1		44.44
		1	The state of the s	4		1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			The state of the state of		A CHARLES	
	b)	Angle	BCA + 90°			
		- Migic	10C1 ± 90°	B ₁	For angle BCA	
		1	The second			
	The same		when the state of the			
32.	D.Z.					
34,	P.7 a)	P (4,1		B ₁	For each correct	
		Q (0,4)		The second second	Make a review on plotting co-ordinates.
	TUE	nn-		B ₁	Co-ordinate	or unates.
	THE S	PRO MO	OCK II MATHEMATICS MARKING	CHIRD	De la companya del companya de la companya del companya de la comp	

n finding the

and

b)	R (-1, 1) S (0, -2) B ₁ For plotting correctly.
c)	It is a kite B ₁ // Por joining For the answer