PRE-PLE MOCK ASSEME ASSESSMENT	MTC GUIDE 2023 DELLI
SOLUTION	M TEOLES
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Award B2 at 128 B2
2. DXCIV = B XC IV 500 90 4	Award B2 at 594 B2
3. $\frac{2}{3} - \frac{1}{2} \left(\text{Lcm} = C \right) \frac{2 \times 2 - 1}{6}$ $\frac{2}{3} \times 6 - \frac{1}{4} \times 6$ $\frac{3}{4} = \frac{4}{6}$ $\frac{4}{6} = \frac{4}{6}$	An Award An for to
4. 9 t h th 7.984 +0.18 8.000 7.984 - 8.0	my Award my for correct working. Al Reject 8
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Award my for collecting like terms. (Advise the to reverse the inequality sign at the right step as shown) Award Ay for t 21 OR Ay
63 - +6 -3 - (+6) -3 - 6	My Award my for Simplifying the integer signs
7. 1:35 pm 12 00 hs -2 15 13 35 hs -3 35 hrs -2 15 11:20 a.m	MI Award my for correct working. Al Award Al for 11:200 11 20 hours

JH.	SOLUTION	M	PROFESSIONAL ABVISE
	thighest No = 11CF 2 12 18 3 6 9 2 3 HCF = 2×3 6	Λι	Award Al for Gasthe highest divisor.
9.	135		Award C, for the control and 185° Award C, for 135° indicated correctly.
10	CX1775042 (100) + 99 CX1775141 The last note reading is cx1775141	A,	Award my for Correct method Award Al for CX1775141 as the last note reading.
۱۱	$\frac{2 + 0}{1 + 0} = \frac{2 + 0}{1 + 0}$ $(1 \times 3) * (0 \times 5) * (3 \times 5)$ $1 \times 5 \times 5 + 0 \times 5 + 3 \times 1$ $25 + 0 + 3$ $28 + 4$	m A	Award Al for 28ten Accept 28 or 2810
12	a. Q' or P-Q	B	Award By for Q' or P-Q Reject Set a complement Accept correct description wing symbols.

QH	SOLUTION	M	PROFESSIONIAL A-BVICE
13	2(h+w) = perimeter 2(8dm+hdm) = 24dm 16dm + 2hdm = 24dm		Award my for correct formation of the equation.
	16dm-16dm+2hdn=24dm-16dn 2hdm = 8dm = 8dm = 4m = 4m		Award A, for the Value of h as H.
14,	h = H $5K - 1(3K - 1)$ $5K - 3K + 1$ $2K + 1$	mi	MI for correct removing of the brackets. AI for 2k+1
15	Penalty 2 = xsh. 400,000 (2 = 100) xsh. 400,000 2 x x x x x sh. 400,000 21 x x x x x x x x x x x x x x x x x x x	B ₁	Award By for Sh. 10,500
16	$\frac{3m + 60^{\circ} = 180^{\circ}}{3m + 60^{\circ} - 60^{\circ} = 180^{\circ} - 60^{\circ}}$ $\frac{3m}{3m} = 120^{\circ}$ $\frac{3m}{3} = \frac{120^{\circ}}{3}$ $m = 40^{\circ}$	A)	Award my for correct formation of the Ezuation. Award Al for 40° as the value of m.

RN	SOLUTION	M	PROFESSIONAL ADVICE
17	(42 cyps) pictures	μl	
	7 pictures	A	
18.	1 dozen = 12 books		Award By for the
	- dozen = + kis books		Selling price as Sh. 8400
. 4	Selling price for all the books		Sh. 8400
	Sh.700 x12		
	sh. 1209	B	Award By for the
	Sh. 8,400		total profit as
	Profit		Sh. 2,400
	Sh. 8400		
	Sh. 2,400	B	
19.	Total distance 22cm		Award my for correct method
	1 c + D +14cm 36cm		,
	350 A 4 B	m	
	12 x 23 x 14 cm + 14 cm		Award Ay for 36cm.
	+ x 22 x them + 14 cm		20 Tel 50 10 44 1 50 64 10 10 10 10 10 10 10 10 10 10 10 10 10
	22cm + 14cm 36cm	A	
20.	bistance in cm		Award my for the
	1m = 100cm		correct method
	3.6m = 36 x 100 cm		
	:3.6m = 360cm		Award Ay for 13 nails
	No of nails = Distance +1	~	
	36 gcm + 1		1
	12 + 1 nails	1	41

N	SOLUTION	M	PROFESSIONAL ADVICE
21.	H, O, 5	B	Award B, for 405 and 450.
	405 540 450 .: The 3-digit numerals are; 405, 450, 504 and 540.	BI	Award By for 504 and 540.
Ы	5 4 0 + 4 0 5	wí	Working
	9 4 5	Aj	A) for 945
22. a)		mj	Award my for correct formation of the equation.
	= 50 × 5	A ₁	Award Al for K=5
	Volleyball (2k+k+12) pupils (3k+12) pupils (3x5+12) pupils (15+12) pupils 27 pupils	B)	Award B, for 27
b)	27+31+2 27+33 60 pupils	mı	Award my for Correct working Award Al for 60.
	60 pupils are in the		

MD	SOLUTION	M	PROFESSIONAL ADVICE
	Sugar Beans Milk Sh. 5800 Sh. 3200 Sh. 1808 X1580ml	ы	By for Sh. 11600
a)	Sh. 5800 Sh. 3200 Sh. 1806 x1599ml Sh. 11,600 Sh. 9600 Sh. 180 x 15 Sh. 2,700	В	B1 for Jh. 9600
	Total Expenditure Sh. 11600	BI	B1 for 5h.2700
	5h. 2700 5h. 23,900	В	B1 for Sh. 23,900
ы	Change = Income = Expenditure Sh. 25,1000 -01.23900 Sh. 1,100	m _I	Award my for correct Sut method. (subtraction) Award Al for Sh. 1,100
24	14912	() ()	BI for total ratio.
a)	2) 2 7	B1 B1	By for sh. 90,000 got by Jane. By for sh. 120,000 got by Joan. By for sh. 60,000 got by Solly.
þj	Sh. 120,000 Sh. 90,000 Sh. 30,000 Joan got Sh. 30,000 more than Same	В	Award B1 for Sh. 30,000
25	the second secon	В	Award By for 10 pupils.

M	SOLUTION		M	PROFESSIONAL ADVICE
(1)	Sum of data No of pupils	= m-ean		Award my for correct
	(BOX2) + (KX3) + (15x1)+(10x	H) = 80.5	ml	
	160 + 3K +95+280	= 80.5		Award my for the
	(3K+535) NId	- 05 -		final collecting
	+0	= 80.5 N		of like terms.
	3K + 535	= 805x10		
	3k + 535 3k + 535 - 535	= 805		
	32	= 805-535	W.I	
	当人	= 270		Award Aj for 90.
	T	3		1 10 90
	Three pupils sco	= 90 red 90.	AI	
26	Distance from Igang	a to Jinja		Award By for 180 km
a)	S × T			
	90km x 2 h/s		81	
	180 Km			Award By for 150km
	Distance from linja	to Mukano		
	SXT			
	SOMM X3hks			
	150 km		BI	Award By for 330k
	Total distance	_		* * *
	180 Km +150 Km			
	330 Km		B	

BN,	SOLUTION	M	PROFESSIONAL ADVICE
p)	ANS = Total distance Sta Total time 330 km 2hr. +3hr. + 12hr 330 km 52 hrs		Award my for correct substitution in the formula. Award Ay for GOKM
	330 km x 2 + hrs 30 km x 2 hr 60 km hr	Αį	hr
27	The same of the sa	mį	Award my for timel collection of like terms. Award Al for the Value of the un-known
	= 45 Y = 15 Eggs carried in the last 2 trips 12 tq 21 eggs	Al Ml	Award my for correcte working Award Ay for 21 eggs.

AN SOLUTION	M PROFESSIONAL ABVICE
28. (0.21 × 0.4 9) (0.07 × 0.12 (21 × 4) - (7 0 × 12 100 × 40) - (7 0 × 100) 23 × 4 × 100 × 100 100 × 45 × 100 × 100	Award my converting the fractions into the fractions my Award my dividing
1 × 1 × 10 × 1 1 × 1 × 10 × 1	Award Aj For 10.
10 = 10	A ₁
$\frac{1}{5}$ $\frac{2}{3}$ $-\frac{1}{4}$ $+\frac{1}{3}$ $\frac{3}{3}$ $-\frac{3}{3}$	Award my for correct Working
	Award Ay for $\frac{3}{4}$ $L = \frac{3}{4}$ A_1
a) $180^{\circ}(n-2) = 720^{\circ}$ $180^{\circ}(n-2) = 720^{\circ}$	M-2+2 = 442 MI AWard MI for Correct Nor king AWard MI for division AWard MI for Givision Award AI for 6 sides Sides
b) Ext. ∠ = 360° Sides 360° 6 ∴ Ext. ∠ = 60°	m1 m1 for correct method/working. A1 A1 for 60°
c) Regular hexagon	By BI for regular hexagon.

311	SOLUTION	M	PROFESSIONAL ABYICE
30.	Sketch AR	S	Award SI for detailed sketch.
2)		4	
	P 7.5cm Q	c,	Award c, for 45°
	Accurate diagram	c _l	Award C, for 60°
-	5.50 45°		
Ы	PR = 5.5 cm	BJ	Award By for 5.5cm, 5.4cm, 5.6cm correctly measured.
31.	JCD = Perimeter = 880cm R	mj	Award my for correct Working.
A STATE OF THE PERSON NAMED IN	$\frac{22}{7}$ Dx7 = 880 cm x7 = 880 cm x7 = 948 cm x7	10cm	Award Ay for 280cm or 140 cm (radius or diameter)
	$D = Hocm \times 7$ $D = 280cm$	^\	Wy for correct
-		1 4 mj	

