	SOLUTIONS	M	COMMENT
	43 3+2=5 +62 4+6=10	B ₂	
2.	2020	82	Award R2 for 2020
3.	$T = \{ \vec{a}, \vec{f}, \vec{g}, \vec{b} \}$ $C = \{ \vec{a}, \vec{f}, \vec{g}, \vec{b} \}$	BI	Award By for identifying the members in the Complement of the intersection set: Award By for 4
4	$1, 8, 27, 64, 125$ Cube numbers $1 \times 1 \times 1 = 1 5 \times 5 \times 5$ $2 \times 2 \times 2 = 8$ $3 \times 3 \times 3 = 27$ $4 \times 4 \times 4 = 64$ $1 \times 1 \times 1 = 1$	8,	Award By for identify the cube numbers correctly. Award By for 125 from correct interpretation.
5	Range = Highest - Lowest $3 - ^{-4}$ 3 - (+) 3 + 4 7 $6. 2^3 \times 3 \times 5^{\circ}$ $2 \times 2 \times 2 \times 3 \times 3 \times 1$	m ₁	Award my for the correct working. Award Ay for 7.
	8 × 9 × 1 8 × 9 72	A1	Powers especially Power zero. Award AI for 72

. 1		М	COMMENTS
Ø4	SOLUTION	141	COMPLETE.
7.	Sun Mon Tue Well Thur Fri Sut 0 1 2 3 4 5 6	ml	Award my for the correct working 100 (4+1)-28 = - (mod 5)
	(4+1)-28 = Day (mod 7) 5-28 = Day (mod 7)		Award Al for Friday
_	Therefore the day of the Week was Friday.		
	Sun Mon Fri Tue Thur Wal		Award Al for Friday
	Therefore Kintu celebrated his birthday on Friday	٧,	
	8. HSOMI into litres 1000ml = 1 litre 1ml = L litre	wi	Award my for division of 450ml by 1000ml.
	$\frac{450m1}{100} = (450 \times 1000) litres$ $\frac{45}{100} litre$		Award Al for 0.45line
	1: 450ml = 0.45 litre	A	

an	SOLUTION	M	
9.		w1	Award MI for collections the like terms. Award AI for 6K+2P
10.	Ending time = 1:15pm Duration = 2hrs 15min	mj	Award mi for correct working
	Starting time = Ending time - Duration 1: 15 pm 13 15 hrs + 12 00 hrs - 2 15 13 15 hrs 11:00 a.m		Award Al for 11:000.
11.	74. W. C.	mı	Award my for correct working. Award Ay for 133 five
12.		R1	Award BI for all arcs leading to the Parallel line. Award BI for the Parallel line,
13	- Th HT 0 +287 	w!	Award my for the Correct working. Peject "It is not the plus one". +287 plus one".
	··· 4287 ≈ 4300	A۱	Award A1 for 4300 Accept when thereis no approximation.

M	SOLUTION	M COMMENTS	
	음Y - 2 = 4 음Y - 2+2 = 4+2	my collecting of likete	ems.
	5x5 5x5 = 6x5 = 30 = 30 = 30 = 30 = 30 = 30	Award Al for 7 = 1	0
15.	Buying price = Selling Price Shr35000+	loss Award By for Sh. 40	, 600
	$B \cdot P = Sh \cdot 40,00$ $0 \cdot \log_2 = \frac{\log_2 x}{C \cdot P} \times 100$	o By Follow through	
	5h.5000 x1	100% Award By for 12	12%
	5h.5400 X 3k. 4h.000	1 1	
	1221		
16	1 share repts 6 chairs	March By for the	
	2 Shares rept 2x6 gue 2 Shares rept 12 2115 -1-12 guests were at t	sts 81 mard B1 for 129	zfusu
1-	7. 5 27 2 A 5 5 0 5 1 1	my Award my for the Correct Working	
	: 27 = 102 five	Al Word VI for 100	+140

31	SOLUTION	M COMMENTS
	$\frac{3}{4} - \frac{1}{12}$ $\frac{3 \times 3^{2} - \frac{1}{2} \times 12}{12}$ $\frac{3 \times 3^{2} - \frac{1}{2} \times 12}{12}$ $\frac{8 \div 9}{12 \div 4}$ $\frac{12}{12}$	MI Morking. Award Al der Correct Al
19.	Sketch $3m + 36^{\circ} = 186^{\circ}$ $3m + 36^{\circ} = 186^{\circ}$ $3m + 36^{\circ} - 36^{\circ} = 186^{\circ}$ $3m = 146^{\circ}$ $3m = 146^{\circ}$ $3m = 146^{\circ}$	of the equation. Howard AI for m = 400
20.	Base area = Length × Wid Horn × 22 cm ² 880 cm ² 02 880 Sq. c	my in the formular.
21.	SECTION B. F.F. FIRE ONE 3 1 2 Five 3x5x5 3x25 75	My correct working. Award Al for 75
ы	$3i_{k} = 22$ (3xk)+(1xi) = 22 3k+1=22 3k+1=1=22-1 3k=21 3k=21	My Correct working Award Ay for $K = 7$

7		M	COMMENTS
22	SOLUTION Strd no Sum W-4 W-2 W 24 W W+ W-2 + W-4 = 24 W W+ W + W - 2 - 4 = 24 W + W + W - 2 - 4 = 24 W + W + W - 2 - 4 = 24 W + W W W W W W W W W	e ₁	Award of for the correct interpretation of thre guestion from the fable. Award my for the Correct formation of the equation Award AI for W=10 Award & for the Smallest number
23 a)	10-4 6	e, e,	Award BI and another BI for the correct completion of the Venn diagram.
b)	h+7 = 20 $h+7-7 = 20-7$ $h = 13$	M	Award my for correct formation of the equation. Award Ay for h=13
c)	h+15+2 pupils h+17 pupils 13+17 pupils 30 pupils .: 30 pupils are in the	m	Mard my for the correct war working Award Al for 30 pupils.

M	SOLUTION	M	COMMENTS
4	ac - b axc - b axa - b	m	Award my for correct substitution.
	$2 \times 2 \times 2 - 10^{-3}$ 8 - (-3) 8 + 3	A-1	Award Al for 11
ы	2c + b 2xc + bxb 2x2a + bxb	mı	Award my for Correct substitution
	2x2x2 + -3x-3 8 + (9) 8 + 9	m ₁	Award my for simplifying the integers. Award A1 for 17
25			Award my for division
	Speed = Distance: Time 100 km; 1/360 hr 100 km x 3600 100 km x 3600 1 hr	m	
	36km hr : 10m/sec = 36 km		Award Al for 36km/hr

M	SOLUTION	M	COMMENTS
55 by	Gominutes = Thour Iminute = 6hr 72 minutes = (1 1/2)hr 150 6 hrs	В	Award BI for time in hours & has or 1 this or its equivalence
	Speed = 1 + T		Award my for division Award Ay for
	40 Km x 5 mm 200 Km 1 hr	A	200km/hr.
26	K+ 117° = 180° 117 K+117°-117° = 180°-117° 170		For correct formation of the equation. For $N = 63^{\circ}$
by	$2W + 30^{\circ} = 90^{\circ}$ $2W + 30^{\circ} - 30^{\circ} = 90^{\circ} - 30^{\circ}$ $2W = 60^{\circ}$		for correct formation of the equation.
	₹ = 30°	AI	For W = 30°
9)	12m Side of the	RI	Award By 10m Award By for 8m
	8 m	61	

(M	SOLUTION	M	COMMENTS
1	· Side x Side Area of the	E	Award 181 for 100 g.m
	100 m ² L X W 6R 8m x 6m 100 sq. m 48sq.m	BI	Award By for 485g.m
	Atrea of the room not covered by the carpet. 100 sq. m -48 sq. m	B	Award By for 52 Sq. m.
28			For sh. 24,000
	Sh. 24,000 Sh. 4,500 Rice Sh. 4000 X3 Sh. 24,000 Sh. 4000 X3 Sh. 12,000		For sh. 12,000
_	Sh 12,000 + Sh. 40,500 Sh. 40,500	В	For Sh. 40,500
6	Sh. 40,500 -Sh. 500 -Sh. 40,000 Balance	BI	For sh. 40,000
	Sh. 50,000 -Sh. 40,000	B	For sh.10,000

NO.	SOLUTION	M COMMENTS
29.	2.4 × 0.5 0.6 (24 × 5/10) ÷ GO 24 × 5/10 × 40/4 4 × 5/10 10 × 5/4 10 × 5/4 10 × 5/4 10 × 5/4 10 × 5/4 10 × 5/4 10 × 5/10	Award my for changing to fractions. Award my for correct working. My Award Al for 2
Ы	0.5-1.3+2.5	4 Award MI for 1.7 3:10 Award AI for 1.7 1.7 AI
30 a) (1)	$k \times 2 \times 3 = 30$ $k \times 6 = 30$	Award my for correct working Award Al for k= 5
(n)	$m = 2 \times 2 \times 3$ $m = 4 \times 3$ $m = 12$ $GCF = 2 \times 3$	My For correct working All For m = 12
	CFCF = 6	Award 131 for 6 as the GCF of PFm and PF30

(~		6 ml a 1776
SOLUTION	M	COMMENTS
SK-etch sicm	s _I	For the detailed Sketch.
p 7cm Q	۲1	For 7cm
Accurate diagram,	۱ ^۱	For 5cm
5cm	^د ا	For the arcs of 90°.
P 7cm Q		
Angle PRQ = 54"	BI	For 54°.
1+3+2+4 pupils		For 10 pupils
10	m	Award my for the correct working Award my for division.
300 + 400 10 10 10 10 10	m]	Award A, for 70
	From Q Accurate diagram, From Q Angle PRQ = 54° 1+3+2+4 pupils 10 pupils 10 pupils (90x1)+ (10x3)+(80x2)+(60x4) 90+210+160+240 10 300+400 10	From Q Accurate diagram L Angle PRQ = 54° 1+3+2+4 pupils 10 pupils 10 pupils Ayerage score Sum of scores No of pupils (90x1)+ (10x3)+(80x2)+(60x4) 10 90 + 210 + 160 + 240 10 300 + 400 10 100 100 100 100 100 100