RUBRICS TEST MS – 2

SECTION A

Short Tasks

Task number	Answer	Points
1.	110	1
2.	30240	1
3.	$y = 3x^2 - 2$	1
4.	4√13in or 14.4 in	1
5.	1/39	1

25	% sale	Ru	bric
		points	section points
1	Gives correct answer: \$24	1	
	Shows correct work such as: $32 \div 4 = 8$ and $32 - 8$	1	2
2	Gives a correct explanation such as:		
	Each reduction is 25% of the previous week's price, and as the price goes down each week, the 25% will be smaller amount each week.	1	1
3	Gives correct answer: \$10.12 or \$10.13	1	
	Shows correct work such as: $32 \ge 0.75^4$ or $24 \ge 75^3$ or $24 - (24 \ge 0.25) = 18$ $18 - (10 \ge 0.25) = 13.5$ $13.5 - (13.5 \ge 0.25)$	3	
	Partial credit Correct at least as far as $24 - (24 \ge 0.25) = 18$; $18 - (18 \ge 0.25) = 13.5$ Correct as far as $24 - (24 \ge 0.25) = 18$	(2) (1)	4
4	Give correct answer: 68.3% or 68.4%	1	
	Shows correct work such as: 32 - 10.12(or 3) = 2188(7) and 21.88(7) / 32 x 1000 or 10.12(oe 3) / 32 x 100 = 21.6(7) and 100 - 31.6(7)	2	
	Partial credit 31.6% or 31.7% with correct work	(2) (1)	
	31.6% or 31.7% without correct work		3
	Total Points		10

Buying Chips and Candy			bric
		points	section points
1.	Gives a correct explanation such as: It stands for the 375 cents that Ralph spent. (Must have correct units)	2	2
2.	Writes a correct equation such as: $4p + 2b = 300$	2	
	<i>Partial credit</i> For an almost correct equation. (Left hand side of equation must be correct)	(1)	2
3.	Gives correct answers: 45 cents or \$0.45 and 60 cents or \$0.60	2x1ft	
	Shows correct work such as: 8p + 4b = 6	2711	
	subtract $3p + 4b = 375$ 5p = 225 P = 45		
	$4 \times 45 + 2b = 300$ 2b = 120 b = 60	2 ft	
	Partial credit For some correct work.	(1 ft)	4
4.	Gives a correct answer: no and Shows a correct calculation such as:		
	0.60 + 0.45 = 1.05	2 ft	2
	Total Points		10

Su	zi's Company			Ru	bric
			ро	oints	section points
1.a	Table completed correctly.	Ţ]		1	
	Gives correct answer: total \$680 000	Total		1	
b	Gives correct answer: \$45 333	\$100 000			
U	and shows calculation	\$80 000	1	1ft	
		\$80 000		111	
	<u>680000</u> 15	\$150 000			
		\$80 000			
		\$150 000			
		\$40 000			
		\$680 000			3
2.a	Gives correct explanation such as: He has ne earn each salary	ot looked at how many pe	eople	1	
b	Gives correct answer: \$30 000			1	2
3.a	Gives correct answer: \$40 000			1	
b	There are 15 people. The middle person, the	8 th person, gets \$40 000		1	2
4.	Gives correct answer: Mean		1	1ft	
	Gives correct explanation such as: That is the	he highest of the three.	1	1ft	
					2
5.a	Gives correct answer: Mode			1	1
		Total	Points		10

Fencing		Ru	bric
		points	section points
1.	Gives correct answer: \$94.		
	Candidates may solve this in various ways, possibly including solution of the simultaneous equations	5	
	5x + 4y = 122 and $21x + 20y = 570$		
	to give $x = 10$ and $y = 18$	5	
	Shows that these are solutions		10
	Total Points		10

	Smoothie Box	Points	Section points
•	Draws net of a closed box such as diagram betow.	2	
	Correct measurements on a net. Height 15.5 or 16 Width 6 x 2 or 3 or 1 Length 6 x 6 or 4 or 12	2 2 2	
	Partial credit Correct measurements not on a net.	3 x (1)	
	Net holds exactly 12 bottles. Partial credit	2	
	Plan or 3D drawing that holds 12 bottles.	(1)	
	24 cm TOP 18 cm 16 cm BACK 16 cm		
	SIDE 18 cm BOTTOM SIDE		
	^{16 cm} FRONT 24 cm		
	Special case: Correct 3D drawing maximum 7		10
	Total		10

	Spinner Bingo	Points	Section points
1.	Shows some evidence of working out probabilities or possible scores on diagram or listing.	1	
	Complete listing or lattice diagram or distribution of scores.	1	
	States that: Card B: 1 and 17 are impossible, so this card cannot win.	2	
	Card C: contains extreme/unlikely numbers because they have few combinations.	1	
	Card A: contains middle/more likely numbers because they have more combinations.	1	
	Compares cards: Card A is the most likely to win.	1	7
2.	Chooses numbers in the range 2 to 16.	1	
	Chooses numbers in the range 5 to 13.	1	
	States reasons for choice	1	3
	Total		10