RUBRICS TEST MS – 1

SECTION A

Short Tasks
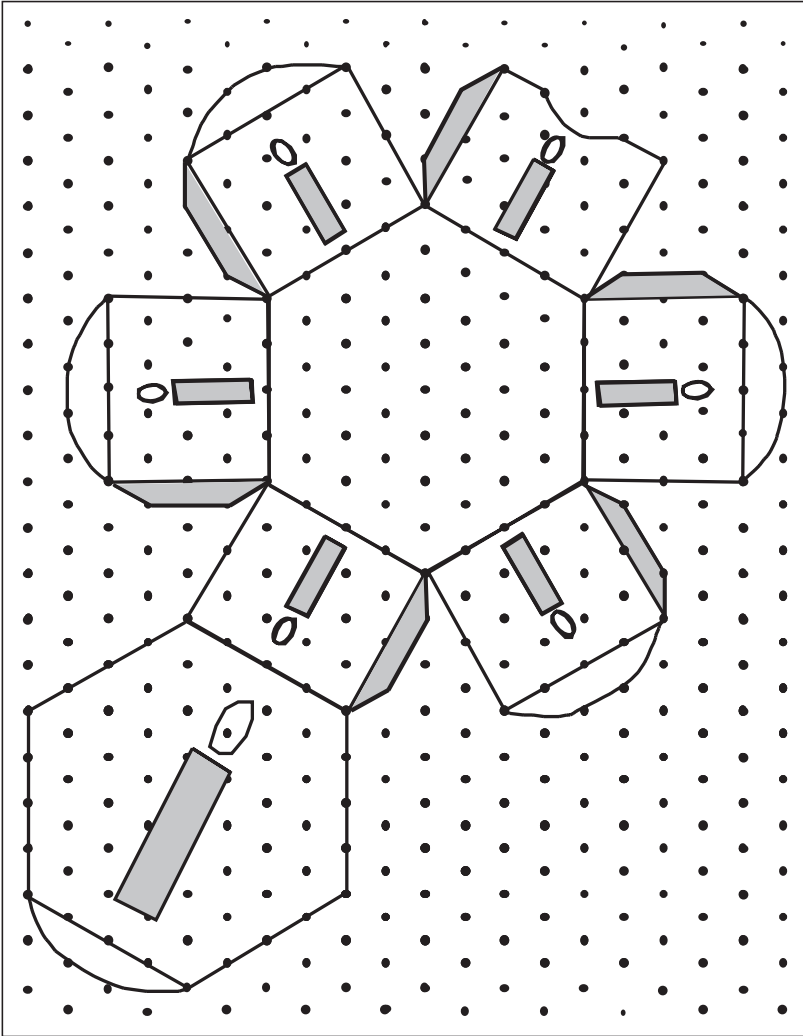
Task number	Answer	Points
1.	**2830/2800 hours**	1
2.	**3×10^2**	1
3.	**\$9 per hour**	1
4.	**3, 4, 6**	1
5.	**2**	1

Baseball Jerseys		Rubric
	points	section points
1. Gives correct answers: **c = 21.5n**	2	
		2
2. Gives correct answers: **c = 18n + 70**	2	
		2
3. Gives correct answer: **$35**	1	
Shows correct work such as: 21.5 x 30 = 645	1	
18 x 30 + 70 = 610	1	
		3
4. Gives correct answer: **21** or **more than 20**	2	
Partial credit: 20	(1)	
Gives a correct explanation such as:		
The costs will be equal when 21.5n = 18n + 70, 3.5n = 70, n = 20. So it will be cheaper for more than 20 jerseys.	1	
		3
Total Points		**10**

Journey			Rubric
		points	section points
1. Table correctly completed: <table><tr><td>Time in hours</td><td>2:00</td><td>2:30</td><td>3:30</td><td>4:00</td><td>6:00</td></tr><tr><td>Distance travelled in miles</td><td>0</td><td>20</td><td>70</td><td>70</td><td>180</td></tr></table>		4x1 (1)	4
2. Graph correctly drawn *Partial credit* 1 or 2 errors		2ft (1)	2
3. Gives correct answer: **45 mph** and shows $180 \div 4$		2	2
4.a b	Gives correct answers: **About 140 miles** **About 3:20 hours**	1ft 1ft	2
	Total Points		**10**

Memory Game		Rubric
	points	section points
1. Gives correct answer: **1/3** or 33.3%	1	
Gives a correct explanation such as:		
One of the remaining three cards has an apple on it.	1	
		2
2. Gives correct answer such as:		
One of the cards he did not turn over the first time.	1	
		1
3. Gives correct answer: **1/5** or **20%**	1	
Gives a correct explanation such as:		
It does not matter which card he turns over first, when one card has been turned over there are 5 left and only 1 of those will make the pair.	2	
May draw tree diagram.		
		3
4. Gives correct answer: **1/15** or 6.6%	1	
Shows correct work such as: 2/6 x 1/5. May list possibilities or draw tree diagram.	1	
		2
Total Points		**10**

	Taxi Cabs	Points	Section points
1. a	6 large taxis hold 42 people 75 = 42 = 33 people 33 people need 9 small taxis with 3 empty seats	2	
	6 large taxis cost 6 x \$63 = \$378 9 small taxis cost 9 x \$40 = \$360 Total cost **\$738**	2	4
2.	The best strategy is to increase the number of large taxis (because each seat costs \$9) and decrease the number of empty seats in the small taxis.	2	

	Large taxis Small taxis Cost in \$
	    6 9 738
	    7 7 721
	    8 5 704
	    9 3 687 **no empty seats**
	   10 2 710
		3	

	\$687 is the lowest possible cost	1	6
	Total		10

Candle Box	Points	Section points
Correctly positions: The base hexagon The rectangles The candles The lid hexagon The flaps and thumb hole	2 2 2 2 2	
Total:		10