

RUBRICS TEST MS – 3

SECTION A

Short Tasks

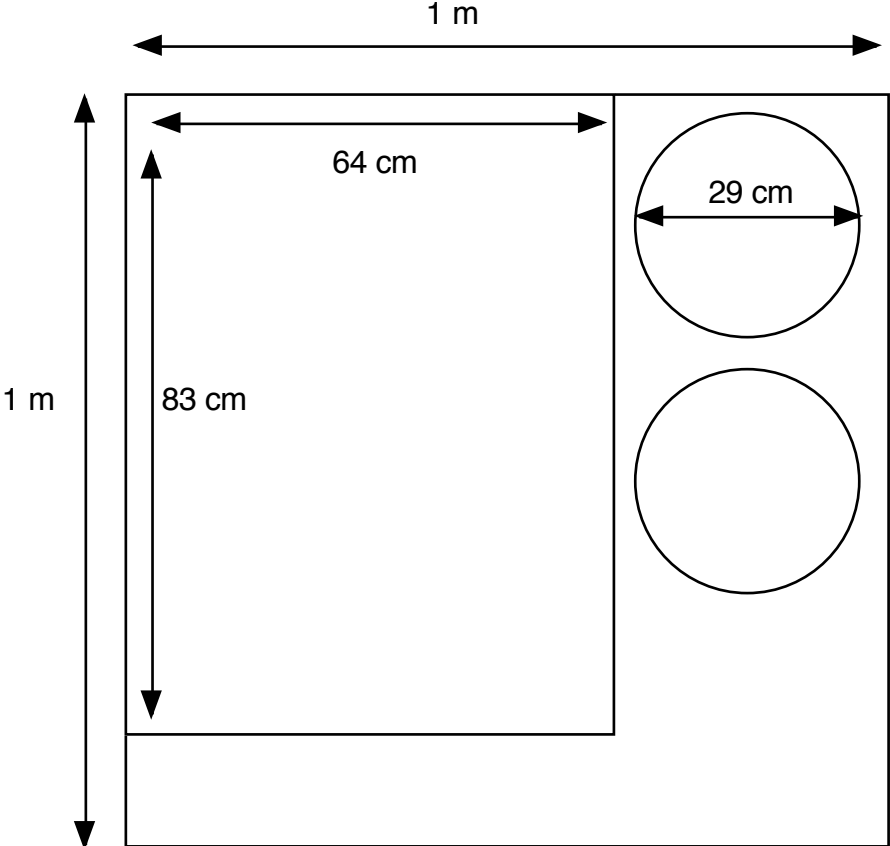
Task number	Answer	Points
1.	1.95 pints	1
2.	5/6	1
3.	35×10^{-4}	1
4.	8 in	1
5.	38.5 sq in	1

Bike Ride		Rubric	
		points	section points
1. Gives correct answer: 25	2	2	
2. Gives correct answer: 3	2	2	
3. Gives correct answer: from 10 a.m. to 10:30 a.m. Gives correct explanation such as: The graph shows that they were cycling at 20 mph. Later they cycled at 10 mph and 5 mph.	1 1	2	
4. Gives correct answer such as: They may have rested. Gives correct explanation such as: For half an hour, their distance did not increase.	1 1	2	
5. Gives correct answer: 5	2	2	
Total Points			10

Linear Graphs	Rubric	
	points	section points
1. Correctly identifies equations: $2y + x = 6$ $y = 1/3 x$ $y = 2x + 6$ $y = 3$ Graph $2y + x = 0$ correctly drawn For example, through (0, 0) and (2, -1)	1 x 4 2	6
2.a. $y = 3$ If x is the distance traveled or time traveled, and $y =$ speed of walking ie 3 mph or $y = 1/3 x$ if it is a time/distance graph b. $y = 1/3 x$	2 2	2
Total Points		10

Scatter Diagram		points	section points
1	Point correctly plotted	1	1
2	Line of best fit drawn, passing through mean point and with gradient between 0.6 and 1	2	3
	Line of best fit can be used to estimate a student's score in one test if you know the score in the other	1	
3	<p>√ No. Lowest score on Test A is 7 and on Test B is 3</p> <p>√ No. Student with highest score on Test A got 25 on Test B but the highest score was 28</p> <p>No. The biggest difference is 16</p>	1 2 1 1 1	6
Total Points			10

A Million Dollars		Rubric	
		points	section points
N.B. Accept correct decimal answers but subtract one point overall.			
1. Gives correct answer: 285714 Shows correct work such as: $1000000 \div 3.5$	1 1	2	
2. Gives correct answer: 19 – 20 years Shows correct work such as: $30 \times 35 \times 50 = 52500$ $1000000 \div 52500 = 19.0476$	1 1 1	3	
3. Gives correct answer: 2205 pounds Shows correct work such as: $1000000 \div 1000 \times 2.205$	2 1	3	
4. Gives correct answer: 119 – 120 yards Shows correct work such as: $0.0043 \times 1000000 \div 36 = 119.44$	1 1	2	
Total Points			10

	Sports Bag	Points	Section points
1.	<p>Circular ends $C = \pi d = \pi \times 25 = 78.5 \text{ cm}$</p> <p>Main body is a rectangle measurements $60 + 4 \text{ by } 78.5 + 4 = 64 \text{ by } 82.5 \text{ cm}$</p> <p>Two circular ends have diameter 29 cm</p>	<p>2</p> <p>2</p> <p>1</p>	5
2.	<p>Draws sketch showing that 1 meter of cloth will make the bag.</p> 	5	5
	Total		10

	Candy Bars	Points	Section points
1.	<p data-bbox="321 331 1260 365">Decides to draw graphs or charts such as the ones below or stem and leaf.</p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="321 373 755 735"> <p style="text-align: center;">Males</p> <p style="text-align: center;">Number of chocolate bars eaten in a week</p> </div> <div data-bbox="771 373 1205 735"> <p style="text-align: center;">Females</p> <p style="text-align: center;">Number of chocolate bars eaten in a week</p> </div> </div> <p data-bbox="321 772 776 806">Draws two correct graphs or charts.</p> <p data-bbox="321 810 496 844"><i>Partial credit</i></p> <p data-bbox="321 848 743 882">Correct type of graph with errors</p> <p data-bbox="321 919 1250 953">Draws graphs which separate males and females but difficult to compare</p>	<p data-bbox="1328 331 1347 365">1</p> <p data-bbox="1328 592 1347 625">2</p> <p data-bbox="1328 772 1347 806">2</p> <p data-bbox="1317 882 1359 915">(1)</p> <p data-bbox="1317 953 1359 987">(2)</p>	<p data-bbox="1458 995 1477 1029">5</p>
2.a	<p data-bbox="321 1066 876 1100">The survey asked 20 boys but only 10 girls.</p> <p data-bbox="321 1142 1094 1213">Roberto should not have used the total number of bars eaten. He should have used the average.</p> <p data-bbox="321 1255 574 1289">Too small a survey.</p>	<p data-bbox="1328 1066 1347 1100">1</p> <p data-bbox="1328 1142 1347 1176">1</p> <p data-bbox="1328 1255 1347 1289">1</p>	
b	<p data-bbox="321 1327 941 1360">The average for boys is $183/20 = 9.15$ bars each.</p> <p data-bbox="321 1365 922 1398">The average for girls is $92/10 = 9.20$ bars each.</p> <p data-bbox="321 1402 984 1436">The averages for boys and girls are almost the same.</p>	<p data-bbox="1328 1365 1347 1398">1</p> <p data-bbox="1328 1402 1347 1436">1</p>	<p data-bbox="1458 1402 1477 1436">5</p>
	<p data-bbox="321 1512 389 1545">Total</p>		<p data-bbox="1458 1512 1477 1545">10</p>