Exercise 1										Calc. : 🗡
Mr Maier is a maths to	eacher in	ı a rural	area. N	lost of h	is P1 stı	idents li	ve on a	farm. In	order to	
teach the children how to count, he asks the class to write down the total number of animals on										
the farm as homework.										
Namo	Xim	Гim	Ali	3en	que	Peter	ognE	Anna	Xira	
Number of animals	16	19	18	47	$\frac{01}{12}$	18	18	10	17	
Number of animals	10	10	10	-11	12	10	10	15	11	
Then he uses this infor	mation	to test l	nis S5 str	udents ir	n statisti	cs, askir	ng them	to:		
1. State the following values:						9 marks				
(a) The minimum and the maximum										
(b) The range										
(c) The median										
(d) The first quart	ile and t	the third	l quartil	þ						
(u) The mot quart			r quarin	C						
2. Draw a box plot for the number of animals.								4 marks		
3. Compare the box plot shown below to the one from part 2). Make three statements based on the statistical parameters comparing the two box plots.								3 marks		
		0	10	20	a =	35 				
4. Calculate the mean of the following values:								3 marks		
16, 15, 13, 30, 27, 15, 24										
5. Explain what is an outlier based on one of the previous examples.						1 mark				
Evercise 2										Calc · ¥

Exercise 2	Calc. : 🗡
A bag contains 6 plastic counters: 4 red counters and 2 white counters.	
A counter is taken out from the bag, its colour recorded and it is not replaced.	
A second counter is taken from the bag and its colour recorded.	
1. Draw a tree diagram to show all the possible outcomes for this situation.	4 marks
2. Calculate the probability that both counters are red	2 mortes
2. Calculate the probability that both counters are red.	2 marks
3. Calculate the probability that both counters are red, given that the second counter was red.	4 marks

Exercise 3	Calc. : 🗡
Calculate the surface area of the following shape:	10 marks
9 cm	

