N164 Ratio 2

Q1.

Anna and Bill share some money in the ratio 2:5

Anna gets £A Bill gets £B

Carl and Donna share twice as much money as Anna and Bill share.

They share the money in the ratio 3:1

Carl gets £*C* Donna gets £*D*

Find *A* : *B* : *C* : *D*

Give your answer in its simplest form.

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(Total for question = 3 marks)

	(Total for question = 3 m	arks)
How many she	eep are there on the farm?	
The total numb	ber of cows, sheep and pigs on the farm is 189	
	the number of cows and the number of sheep are in the ratio 6 : 5 the number of sheep and the number of pigs are in the ratio 2 : 1	
On a farm		

Q2.

Q3.							
The points A, B, C and D lie in order on a straight line.							
	AB: BD = 1:5 AC: CD = 7:11						
Work out AB: BC: CD							

.....: ::

(Total for question = 3 marks)

Q4.			
Given that			
Given that	a:b=8:5	and	h: c = 3 · 1
find the ratio	α.ν-υ.υ	anu	D. U = J. 4
a:b:c			
Give your answer in its simple:	st form		
Give your answer in its simple.	ot 101111.		

(Total for question = 3 marks)

There are only blue pens, green pens and red pens in a box.
The ratio of the number of blue pens to the number of green pens is 2 : 5 The ratio of the number of green pens to the number of red pens is 4 : 1
There are less than 100 pens in the box.
What is the greatest possible number of red pens in the box?
(Total for question = 3 marks)
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Q5.



The ratio of the number of small cubes to the number of large cubes is 4 : 7 The ratio of the number of red cubes to the number of yellow cubes is 3 : 5 (a) Explain why the least possible number of cubes in the bag is 88	There are some small cubes and some large cubes in a bag.
The ratio of the number of red cubes to the number of yellow cubes is 3:5 (a) Explain why the least possible number of cubes in the bag is 88	The cubes are red or the cubes are yellow. The ratio of the number of small cubes to the number of large cubes is 4 : 7
(a) Explain why the least possible number of cubes in the bag is 88	
All the small cubes are yellow.	
(1) All the small cubes are yellow.	
All the small cubes are yellow.	
All the small cubes are yellow.	
(b) Work out the least possible number of large yellow cubes in the bag.	
	(b) Work out the least possible number of large yellow cubes in the bag.
(3)	

(Total for question = 4 marks)