Non-Calculator

Q1.							
٧	Vrite 36 as a product of prime factors.						
G	iive your answer in index form.						
	Angwar						
	Allswei		 (Total 3 marks)				
			,				
Q2.							
Р	viaries are sold in boxes of 12 encils are sold in boxes of 10 ulers are sold in boxes of 6						
А	A teacher wants to buy the same number of diaries, pencils and rulers.						
٧	Vork out the smallest number of boxes of e	ach item he could buy.					
_							
_							
_							
_							
_							
			boxes of diaries				
			_boxes of pencils				
			boxes of rulers				
			(Total 3 marks)				
Q3.							
	ircle the number that is not a multiple of 6						
	0.4	400	4.4.4				
	24 76	108	144				
			(Total 1 mark)				

		Answer			 (Total 2 marks)			
Q5. Circle all the	numbers that ha	ve 11 as a factor.						
	121	122	132	133				
					(Total 1 mark)			
Q6. Which one of these numbers is a multiple of 12? Circle your answer.								
72		74	76		78			
					(Total 1 mark)			
<u>Calculator</u>								
Q7. Beth uses these four cards to make 4-digit numbers.								
	2	4	5	8				
How many different 4-digit numbers can she make that are greater than 8000?								
		Answer						
					(Total 2 marks)			

Q4.

Write 56 as a product of prime factors.

Q8	•									
	Write 140) as a pro	duct of pr	rime numb	ers in index f	form.				
				Answe	er					
									(Total 3 r	marks)
Q9										
	Write	225	as	the	product	of	its	prime	factors.	
				Answe	ır					
									(Total 2 r	
Q1		these nur	mbers is o	one more t	than a multip	le of 5?				
	Circle you	ır answer	·.							
		1	15	19	9	26		30		
									(Total 1	mark)
Q1		these nur	mbers ha	s exactly t	hree factors?	,				
	Circle you	ur answer	·.							
			3	4	1	5		6	(Total 1	mark)

Q12.	le the multiple of both	8 and 12			
	4	32	72	108	
	4	32	72	100	
					(Total 1 mark)
Q13. Writ	ten as the product of i	ts prime factors			
	·	·	25 × 3 × 7		
(a)	Write 252 as the pro	oduct of its prime f	actors.		
		Answer			
(b)	Work out the value	of the highest com	mon factor of 672 :	and 252	(2)
(b)	vvoik out the value	or the highest com	111011140101 01 072	and 232	
		Answer			
					(1)
					(Total 3 marks)
Q14.					
Wha Circ	at is the largest two-di le your answer.	git prime number?			
	93	95	97	99	
					(Total 1 mark)

Page 4 of 5

Q15. W	rite	down	all	the	factors	of	18
			Answer _				 (Total 2 marks)
Q16.	rita 280 ac	a product of i	ts prima facto	ure.			
VV	Tite 200 as	a product or r	is prime facto	ns.			
			Angwor				
			Aliswei _				 (Total 2 marks)