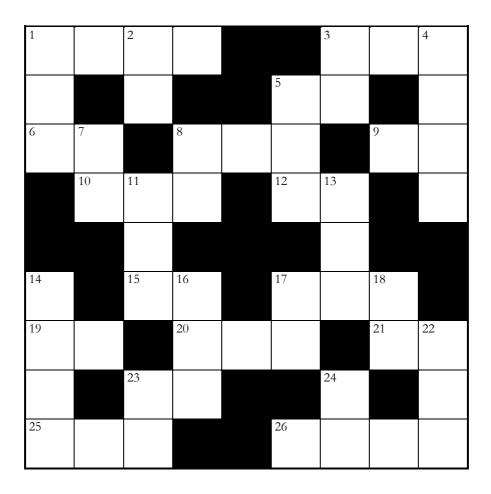UKMT Team Maths Challenge
2008 Regional Final
Cross Number - Across Clues
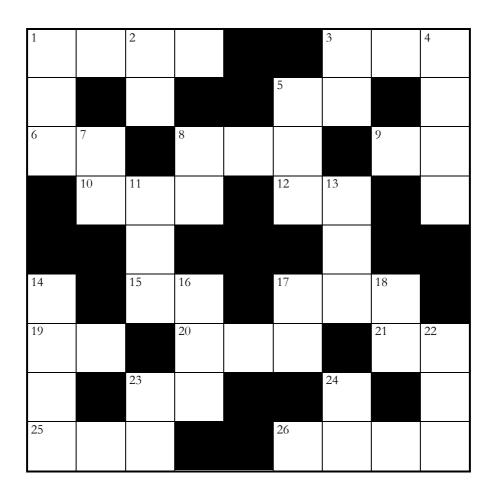
Across

1 Difference between 26 Across and 25 Across
3 Prime factor of 9876
5 Prime number
6 Multiple of three
8 Multiple of 8 Down
9 Five more than a square number
10 Prime number multiplied by 5 Across
12 Four more than a cube number
15 Seven less than a multiple of twenty-two
17 Prime number that is one more than a fourth power
19 Prime number two less than a multiple of seven
20 One less than half of the product of 6 Across and 7 Down
21 The sum of 5 Across, 8 Down and 9 Across minus a factor of 2 Down
23 A power of two added to 19 Across
25 Odd square number that is three more than a multiple of eleven
26 Number with distinct positive even digits, and with exactly four factors, whose first digit is two

1		2				3		4
					5			
6	7		8			9		
	10	11			12	13		
14		15	16		17		18	
19			20				21	22
		23				24		
25					26			

Down

1 Square of a triangular number
2 Square root of 4 Down
3 Seven less than the exterior angle of a regular polygon
4 An even number which is the square of 2 Down and whose digits add up to a square number
5 Prime Fibonacci number, each of whose digits are also Fibonacci numbers
7 Two less than a square number
8 Factor of 24 Down
11 Palindromic multiple of eleven whose digits add up to one more than a factor of eleven
13 Sum of two consecutive square numbers
14 Twice a power of seven
16 Prime number multiplied by 8 Down
17 One more than a square number
18 19 Across minus a power of ten
22 Multiple of eleven
23 One less than a multiple of four
24 The square of a prime multiplied by a prime

Team Number…………   School Name ………………………………….

Answer	1		2				3		4	Marks (7)
Mark										
Answer						5				Marks (5)
Mark										
Answer	6	7		8				9		Marks (7)
Mark										
Answer		10	11			12	13			Marks (6)
Mark										
Answer										Marks (2)
Mark										
Answer	14		15	16		17		18		Marks (6)
Mark										
Answer	19			20				21	22	Marks (7)
Mark										
Answer			23				24			Marks (5)
Mark										
Answer	25					26				Marks (7)
Mark										

Total   = ___ /52

+ 8

Score   = _____