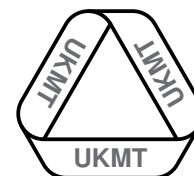


1		2				3		4
		5		6				
7						8	9	
		10	11		12			
13	14						15	16
			17	18		19		
20		21				22		
		23						
24						25		

**ACROSS**

- |   |  |
|---|--|
| 1. 7 ACROSS minus 11 DOWN (3)                                   | 13. The largest two-digit factor of 2 DOWN (2) |
| 3. The square root of $23^3 + 24^3 + 25^3$ (3)                  | 15. 43 plus the square root of 12 DOWN (2)     |
| 5. A palindromic number whose digits have a sum of 33 (5)       | 17. $4 + 10 \times 12^2$ (4)                   |
| 7. The difference between two consecutive Fibonacci numbers (3) | 20. 21 DOWN minus a cube (3)                   |
| 8. A number less than 3 DOWN (3)                                | 22. $n^n + 1$ for some $n$ (3)                 |
| 10. A multiple of 18 DOWN (4)                                   | 23. A factor of 5 ACROSS (5)                   |
|   | 24. The mean of 14 DOWN and 1 ACROSS (3)       |
|   | 25. 4994 minus 19 DOWN (3)                     |



1		2				3		4
		5		6				
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		10	11		12			
13	14						15	16
			17	18		19		
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		23						
24						25		

**Down**

- |  |  |
|--|--|
| 1. A palindromic number whose digits have a sum of 41 and which consists of two different digits (5) | 11. A multiple of 19 (3)                 |
| 2. $88 \times 77$ (4)  | 12. A square (3)                         |
| 3. A number greater than 8 ACROSS (3)  | 14. A multiple of 13 ACROSS (3)          |
| 4. A square that is $8 \text{ ACROSS} \times 3 - 102$ (3)  | 16. $5^5 + 4^5 + 7^5 + 4^5 + 8^5$ (5)    |
| 6. A Fibonacci number that is a multiple of 13 (3)   | 18. A factor of 10 ACROSS (3)            |
| 9. $15 \text{ ACROSS} \times 11 + 11 \text{ DOWN}$ (3)   | 19. The product of its digits is 432 (4) |
|  | 20. The mean of 20 DOWN and 21 DOWN (3)  |
|  | 21. A power of 2 (3)                     |

TEAM NUMBER

SCHOOL NAME

Row  
TOTALS

1	<input type="checkbox"/>	<input type="checkbox"/>	2	<input type="checkbox"/>				3	<input type="checkbox"/>	<input type="checkbox"/>	4	<input type="checkbox"/>	
	<input type="checkbox"/>		5	<input type="checkbox"/>	<input type="checkbox"/>	6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	
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**Correct digit:** place a tick in the dotted circle.  
**Incorrect digit:** cross out the answer, write in the correct digit, and place a cross in the dotted circle.  
**Row totals:** enter the number of ticks in each row.

FINAL SCORE /58