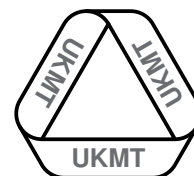


1			2	3		4		5
		6		7				
8	9					10		
								11
12		13			14		15	
				16				
	17			18		19		20
21		22						
23				24			25	

**ACROSS**

- |   |   |
|---|---|
| 1. A triangular number that is also a square (2)                    | 17. An angle, in degrees, of an isosceles triangle that contains a $62^\circ$ angle (2) |
| 2. A factor of 22 ACROSS (2)  | 18. The sum of its digits is six (5)  |
| 4. A multiple of the sum of its digits (3)                          | 22. 23 ACROSS + 20 DOWN + 19 DOWN (3)   |
| 7. A factor of 2016 (3)   | 23. A cube that is the sum of three consecutive cubes (3)                               |
| 8. A multiple of 18 ACROSS (5)                                      | 24. $x$ where $x + 11 \text{ DOWN} = 3x - 79$ (2)                                       |
| 10. 24 ACROSS plus 11 DOWN (2)                                      | 25. Square root of 20 DOWN (2)  |
| 12. $88^2 + 33^2$ (4)   |   |
| 14. A prime number whose digits are consecutive primes in order (4) |   |



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	

**Down**

- |  |     |   |     |
|--|-----|---|-----|
| 1. A factor of 2016                    | (3) | 13. 4 DOWN + 12 ACROSS                                    | (5) |
| 3. $12^2 + 33^2$                       | (4) | 15. The sum of the digits in this number's column is ten  | (3) |
| 4. 3 DOWN + 10 × 14 ACROSS             | (5) | 16. A triangular number also a square                     | (4) |
| 5. 1 ACROSS minus 2                    | (2) | 19. The number of primes that are less than fifty         | (2) |
| 6. A factor of 2016                    | (2) | 20. A square that becomes a cube when four is added to it | (3) |
| 9. A multiple of the sum of its digits | (3) | 21. A multiple of 25 ACROSS                               | (2) |
| 11. A cube                             | (2) |   |     |
| 12. The sum of two squares in two ways | (2) |   |     |

TEAM NUMBER

SCHOOL NAME

									Row	TOTALS					
1	<input type="checkbox"/>	<input type="checkbox"/>	■	2	<input type="checkbox"/>	3	<input type="checkbox"/>	■	4	<input type="checkbox"/>	<input type="checkbox"/>	5	<input type="checkbox"/>	/7	<input type="text"/>
	<input type="checkbox"/>	■	6	<input type="checkbox"/>	■	7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	■		<input type="checkbox"/>	/6	<input type="text"/>	
8	<input type="checkbox"/>	9	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	■	10	<input type="checkbox"/>	<input type="checkbox"/>	■			/7	<input type="text"/>	
■	<input type="checkbox"/>	■	■	<input type="checkbox"/>	■	■	<input type="checkbox"/>	■			11	<input type="checkbox"/>	/4	<input type="text"/>	
12	<input type="checkbox"/>	<input type="checkbox"/>	13	<input type="checkbox"/>	■	14	<input type="checkbox"/>	<input type="checkbox"/>	15	<input type="checkbox"/>	<input type="checkbox"/>		/8	<input type="text"/>	
	<input type="checkbox"/>	■	<input type="checkbox"/>	■	16	<input type="checkbox"/>	■	■	<input type="checkbox"/>	■			/4	<input type="text"/>	
■	17	<input type="checkbox"/>	<input type="checkbox"/>	■	18	<input type="checkbox"/>	<input type="checkbox"/>	19	<input type="checkbox"/>	<input type="checkbox"/>	20	<input type="checkbox"/>	/7	<input type="text"/>	
21	<input type="checkbox"/>	■	22	<input type="checkbox"/>	<input type="checkbox"/>	■	<input type="checkbox"/>	■	■			<input type="checkbox"/>	/6	<input type="text"/>	
23	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	■	24	<input type="checkbox"/>	<input type="checkbox"/>	■	25	<input type="checkbox"/>	<input type="checkbox"/>		/7	<input type="text"/>	

**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 /56