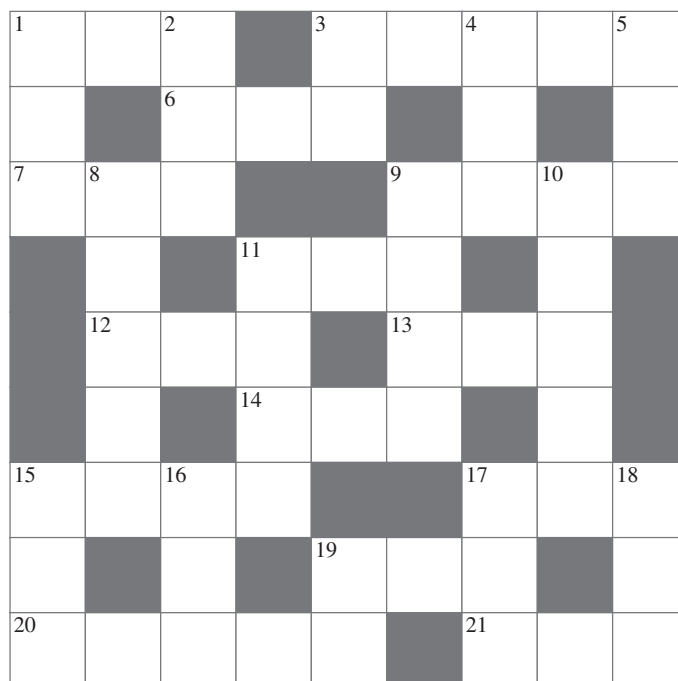
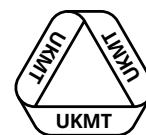


1		2		3		4		5
		6						
7	8				9		10	
			11					
	12				13			
			14					
15		16				17		18
				19				
20							21	

**ACROSS**

- |   |  |
|---|--|
| 1. 21 ACROSS minus 3 DOWN (3)   | 14. The sum of the divisors of 7 ACROSS (3)                                      |
| 3. The mean of 8 DOWN and 10 DOWN (5)   | 15. A multiple of 2 DOWN, but not a multiple of 3 (4)                            |
| 6. A factor of 9 ACROSS (3)   | 17. $x$ , where<br>3 DOWN : 12 ACROSS = 19 DOWN : $(x-51)$ (3)                   |
| 7. $1! + 4! + 5!$<br>[Note: When $n$ is a positive integer $n!$ is the product of all the integers from 1 to $n$ . For example,<br>$6! = 1 \times 2 \times 3 \times 4 \times 5 \times 6.$ ] (3) | 19. $x$ , where<br>$13 \text{ ACROSS} - x = 3x - 7 \times 11 \times 13$ (3)      |
| 9. An odd multiple of 6 ACROSS (4)  | 20. The product of the first six primes (5)                                      |
| 11. The size of an interior angle of a regular polygon with 19 DOWN sides (3)   | 21. The area of a right-angled triangle with longer sides 3 DOWN and 19 DOWN (3) |
| 12. The 40th triangular number (3)  |  |
| 13. A multiple of 11 (3)  |  |

**Down**

- |  |   |
|--|---|
| <p>1. A square (3)</p> <p>2. A factor of 15 ACROSS (3)</p> <p>3. The sum of the first six primes (2)</p> <p>4. The sum of the divisors of this number is 1216 (3)</p> <p>5. <math>x</math>, where<br/> <math display="block">3x + 14 \text{ ACROSS} + 35 = 16 \text{ DOWN} - 2x</math> (3)</p> <p>8. A '1' after this number makes it three times larger than when it has a '1' in front of it (5)</p> <p>9. <math>x</math>, where<br/> <math display="block">21 \text{ ACROSS} : 18 \text{ DOWN} = x : 16 \text{ DOWN}</math> (4)</p> | <p>10. <math>4! + 1! + 5! + 8! + 5!</math><br/> [Note: When <math>n</math> is a positive integer <math>n!</math> is the product of all the integers from 1 to <math>n</math>. For example,<br/> <math>6! = 1 \times 2 \times 3 \times 4 \times 5 \times 6.</math>] (5)</p> <p>11. The smallest four-digit multiple of 7 ACROSS (4)</p> <p>15. One more than 17 DOWN minus 19 ACROSS (3)</p> <p>16. 12 ACROSS minus 19 DOWN (3)</p> <p>17. A multiple of 11 (3)</p> <p>18. The number of different 5-digit numbers that can be made using every digit of 8 DOWN (3)</p> <p>19. <math>n</math>, where 12 ACROSS is the <math>n</math>th triangular number (2)</p> |
|--|---|

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"/>	5	<input type="checkbox"/>	/8 <input type="text"/>
	<input type="checkbox"/>		6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>	/6 <input type="text"/>
7	<input type="checkbox"/>	8	<input type="checkbox"/>	<input type="checkbox"/>			9	<input type="checkbox"/>	<input type="checkbox"/>	10	<input type="checkbox"/>	<input type="checkbox"/>	/7 <input type="text"/>
	<input type="checkbox"/>		11	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>			/5 <input type="text"/>
	12	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	/6 <input type="text"/>
	<input type="checkbox"/>		14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>		<input type="checkbox"/>			/5 <input type="text"/>
15	<input type="checkbox"/>	<input type="checkbox"/>	16	<input type="checkbox"/>	<input type="checkbox"/>			17	<input type="checkbox"/>	<input type="checkbox"/>	18	<input type="checkbox"/>	/7 <input type="text"/>
	<input type="checkbox"/>		<input type="checkbox"/>		19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	/6 <input type="text"/>
20	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		21	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	/8 <input type="text"/>

<p><b>Correct digit:</b> place a tick in the dotted circle.</p> <p><b>Incorrect digit:</b> cross out the answer, write in the correct digit, and place a cross in the dotted circle.</p> <p><b>Row totals:</b> enter the number of ticks in each row.</p>	<p>FINAL SCORE /58 <input type="text"/></p>
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