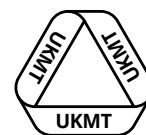


ACROSS

- | | | | |
|--|-----|--|-----|
| 1. x , where
$\frac{19 \text{ ACROSS}}{17 \text{ DOWN} - x} = 503 \times 12 \text{ ACROSS}$ | (3) | 13. A cube | (2) |
| 3. 10 DOWN minus a square | (3) | 14. A multiple of 7 | (4) |
| 5. The product of 337 and the 21st prime | (5) | 16. The mean of 17 DOWN and 18 DOWN | (3) |
| 7. A Fibonacci number | (3) | 17. 21 ACROSS minus $\sqrt{17 \text{ DOWN}}$ | (3) |
| 9. x , where $11 \text{ DOWN} - x$ is a cube | (3) | 19. The number of degrees in an exterior angle of a 30-sided regular polygon plus the product of 14 ACROSS and $(8 \text{ DOWN} - 2 \text{ DOWN})$ | (5) |
| 10. A palindromic cube | (4) | 20. The sum of the digits of this number equals the sum of the digits of 6 DOWN | (3) |
| 12. The number of digits in $4^{11} \times 5 \times 125^7$ | (2) | 21. $\sqrt[3]{8 \text{ DOWN}} \times 13 \text{ ACROSS}$ | (3) |



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

Down

- | | |
|--|--|
| <p>1. The number of degrees of an interior angle of a regular polygon with (8 DOWN – 2 DOWN) sides (3)</p> <p>2. The product of two consecutive primes (3)</p> <p>3. The remainder when 14 ACROSS is divided by 1748 (4)</p> <p>4. The sum of 13 ACROSS plus the product of 7 ACROSS and 100 (5)</p> <p>6. x, where
 $\frac{16 \text{ ACROSS}}{x - 1 \text{ ACROSS}} = \frac{8 \text{ DOWN} - 7 \text{ ACROSS}}{110}$ (3)</p> <p>8. A palindromic cube (3)</p> | <p>10. The product of the digits of 13 DOWN (3)</p> <p>11. A Fibonacci number (3)</p> <p>12. 12 ACROSS plus the product of 100 and the mean of 9 ACROSS, 13 DOWN and 15 DOWN (5)</p> <p>13. $10 \text{ ACROSS} \div 17 \text{ DOWN} \times 13 \text{ ACROSS}$ (3)</p> <p>14. A cube and a power of 2 (4)</p> <p>15. $\sqrt[3]{10 \text{ ACROSS}} \times$ the mean of 12 ACROSS and 13 ACROSS (3)</p> <p>17. The number of digits in $16^{30} \times 125^{40}$ (3)</p> <p>18. The sum of 2 DOWN, 7 ACROSS and 8 DOWN (3)</p> |
|--|--|

TEAM NUMBER

SCHOOL NAME

Students: please write digits in black ink.
Teacher: please mark and insert correct digits in red ink.

1	<input type="checkbox"/>	2	<input type="checkbox"/>			3	<input type="checkbox"/>		4	<input type="checkbox"/>	Row TOTALS	<input type="text"/>
	<input type="checkbox"/>	5	<input type="checkbox"/>			6	<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"/>	/7	<input type="text"/>
	<input type="checkbox"/>		<input type="checkbox"/>	10	<input type="checkbox"/>			11	<input type="checkbox"/>		/7	<input type="text"/>
12	<input type="checkbox"/>		<input type="checkbox"/>				<input type="checkbox"/>		13	<input type="checkbox"/>	/6	<input type="text"/>
	<input type="checkbox"/>		<input type="checkbox"/>	14	<input type="checkbox"/>			15	<input type="checkbox"/>		/6	<input type="text"/>
16	<input type="checkbox"/>		<input type="checkbox"/>				<input type="checkbox"/>		17	<input type="checkbox"/>	/6	<input type="text"/>
	<input type="checkbox"/>		<input type="checkbox"/>	19	<input type="checkbox"/>				<input type="checkbox"/>		/7	<input type="text"/>
20	<input type="checkbox"/>		<input type="checkbox"/>					21	<input type="checkbox"/>		/6	<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 /58