

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		27		
28						29		

**ACROSS**

- |   |   |
|---|---|
| 1. A square and also a cube (3)                         | 17. A square (2)  |
| 4. The difference between 8 DOWN and 16 DOWN (3)        | 18. A Fibonacci number (3)  |
| 6. A multiple of 22 DOWN (4)                            | 19. 17 DOWN minus 18 ACROSS (2)   |
| 9. The sum of seven consecutive triangular numbers (2)  | 20. A factor of 21 DOWN (2)   |
| 11. A factor of every four-digit palindromic number (2) | 23. 21 DOWN minus 15 ACROSS (2)   |
| 13. 14 ACROSS minus 24 DOWN (2)                         | 25. The product of all the primes in the eighties (4)                     |
| 14. 400% of 27 DOWN (3)                                 | 28. The mean of 17 DOWN, 1 ACROSS and 10 DOWN (3)                         |
| 15. 12 DOWN minus 17 ACROSS (2)                         | 29. $3x$ where<br>$17 \text{ ACROSS} : 1 = (15 \text{ ACROSS})^2 : x$ (3) |

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		27		
28						29		

**Down**

- |  |  |
|--|--|
| <p>1. A multiple of 19 ACROSS (3)</p> <p>2. A prime number that is also a prime number when reversed (2)</p> <p>3. A factor of 4 less than 25 ACROSS (2)</p> <p>5. 28 ACROSS minus 200% of 7 DOWN (3)</p> <p>7. The mean of the first seven triangular numbers (2)</p> <p>8. A square and also a cube (4)</p> <p>10. A multiple of 15 ACROSS (3)</p> <p>12. A Fibonacci number (3)</p> <p>15. A multiple of a square and 7 (3)</p> | <p>16. The product of all the primes in the fifties (4)</p> <p>17. A multiple of 9 (3)</p> <p>21. <math>x</math>, where <math>\frac{x+5}{7} + \frac{x-7}{5} = 48</math> (3)</p> <p>22. An angle, in degrees, of an isosceles triangle with another angle equal to (17 ACROSS)° (2)</p> <p>24. <math>x</math> where <math>56 : x = 15 \text{ ACROSS} : 29 \text{ ACROSS}</math> (3)</p> <p>26. A prime number when reversed (2)</p> <p>27. 26 DOWN reversed (2)</p> |
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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"/>	5	<input type="checkbox"/>	<input type="checkbox"/>	/7	<input type="text"/>	
<input type="checkbox"/>			6	<input type="checkbox"/>	7	<input type="checkbox"/>	<input type="checkbox"/>	8	<input type="checkbox"/>		<input type="checkbox"/>			/6	<input type="text"/>	
9	<input type="checkbox"/>	10	<input type="checkbox"/>		<input type="checkbox"/>			<input type="checkbox"/>			11	<input type="checkbox"/>	12	<input type="checkbox"/>	/6	<input type="text"/>
	13	<input type="checkbox"/>	<input type="checkbox"/>		14	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	/6	<input type="text"/>	
15	<input type="checkbox"/>	<input type="checkbox"/>		16	<input type="checkbox"/>			<input type="checkbox"/>			17	<input type="checkbox"/>	<input type="checkbox"/>	/6	<input type="text"/>	
<input type="checkbox"/>			18	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		19	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			/6	<input type="text"/>	
20	<input type="checkbox"/>	21	<input type="checkbox"/>		<input type="checkbox"/>			22	<input type="checkbox"/>		23	<input type="checkbox"/>	24	<input type="checkbox"/>	/6	<input type="text"/>
	<input type="checkbox"/>	<input type="checkbox"/>		25	<input type="checkbox"/>	26	<input type="checkbox"/>	<input type="checkbox"/>	27	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	/6	<input type="text"/>	
28	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>			29	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<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