



UNITED KINGDOM MATHEMATICS TRUST

CROSSNUMBER

- Time allowed: 20 minutes.
- Some clues can be answered without reference to any other clues. Some clues are connected so you may not be able to answer these straight away.
- *One* mark is given for each correct digit at the first time of being presented to your supervising teacher.
- There are two practice sheets containing the crossnumber clues, and one answer grid. Your final answers should be written on the answer grid.
- You may ask your teacher to mark your crossnumber at any time even if it is not complete. However, if any digit is incorrect it will be replaced with the correct digit and you will not score any marks for that digit.

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

Across

1. The sum of 5 Down and 2 Across
2. The difference between 5 Down and 1 Across
4. The result of dividing 18 Down by 6, then subtracting 1000
6. A number that is both a square number and a cube number
8. The sum of all the digits in the second and third columns from the left of the grid
9. Half of 3 Down
11. Thirty times 19 Across
13. Four times 5 down
16. The result of adding together 13 Across and 17 Down
19. The larger of two square numbers that sum to 97
20. The highest common factor of 80 and 64
21. The result of taking 1 Down from 3 Down
22. The average of 16 Down and 21 Across
23. The sum of 6 Across and 8 Across

Down

1. A number made up by all the non zero even digits
3. The number of minutes in half a week
4. A multiple of 13
5. The product of 8 Across and 8
7. The lowest common multiple of 9 and 15
8. A prime number
10. The result of multiplying together 20 Across by one less than 20 Across
12. One third of the square root of 144 multiplied by 111
13. Six less than the difference between 4 Across and 11 Across
14. The sum of the first six prime numbers
15. The digits of 23 Across reversed
16. The product of 20 Across and 8
17. The result of 1 Across divided by 7
18. All the digits add up to 30

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13	14		15		16		17	18
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Crossnumber Answer Grid.

School Name: _____ **School Number** _____

<u>1</u>						<u>2</u>		<u>3</u>	<u>Marks (6)</u>
			<u>4</u>		<u>5</u>				<u>Marks (5)</u>
<u>6</u>	<u>7</u>						<u>8</u>		<u>Marks (6)</u>
<u>9</u>		<u>10</u>			<u>11</u>	<u>12</u>			<u>Marks (8)</u>
									<u>Marks (2)</u>
<u>13</u>	<u>14</u>		<u>15</u>		<u>16</u>		<u>17</u>	<u>18</u>	<u>Marks (8)</u>
<u>19</u>							<u>20</u>		<u>Marks (6)</u>
			<u>21</u>						<u>Marks (5)</u>
<u>22</u>						<u>23</u>			<u>Marks (6)</u>

Total (out of 52) = _____ + 8

Score (out of 60)= _____