***Find 2 numbers for each section in the Carroll diagram below.***

|  |  |  |
| --- | --- | --- |
|  | A factor of 10 | Not a factor of 10 |
| Prime |  |  |
| Composite (non-prime) |  |  |

***Find one number for each section in the Carroll diagram below.***

|  |  |  |
| --- | --- | --- |
|  | A multiple of 11 | Not a multiple of 11 |
| Prime |  |  |
| Composite (non-prime) |  |  |

***Find 2 numbers for each section in the Carroll diagram below.***

|  |  |  |
| --- | --- | --- |
|  | A factor of 12 | Not a factor of 12 |
| A multiple of 3 |  |  |
| Not a multiple of 3 |  |  |

***Find 2 numbers for each section in the Carroll diagram below.***

|  |  |  |
| --- | --- | --- |
|  | A factor of 24 | Not a factor of 24 |
| A multiple of 4 |  |  |
| Not a multiple of 4 |  |  |

***Find one number for each section in the Carroll diagram below.***

***Is there a box that this is impossible for? If so explain in the box why!***

|  |  |  |
| --- | --- | --- |
|  | A factor of 10 | Not a factor of 10 |
| Not a factor of 20 |  |  |
| A factor of 20 |  |  |

***Find one number for each section in the Carroll diagram below.***

***Is there a box that this is impossible for? If so explain in the box why!***

|  |  |  |
| --- | --- | --- |
|  | Prime | Composite (non-prime) |
| Multiple of 12 |  |  |
| Not a multiple of 12 |  |  |

***Find 2 numbers for each section in the Carroll diagram below.***

|  |  |  |
| --- | --- | --- |
|  | A factor of 10 | Not a factor of 10 |
| Prime |  |  |
| Composite (non-prime) |  |  |

***Find one number for each section in the Carroll diagram below.***

|  |  |  |
| --- | --- | --- |
|  | A multiple of 11 | Not a multiple of 11 |
| Prime |  |  |
| Composite (non-prime) |  |  |

***Find 2 numbers for each section in the Carroll diagram below.***

|  |  |  |
| --- | --- | --- |
|  | A factor of 12 | Not a factor of 12 |
| A multiple of 3 |  |  |
| Not a multiple of 3 |  |  |

***Find 2 numbers for each section in the Carroll diagram below.***

|  |  |  |
| --- | --- | --- |
|  | A factor of 24 | Not a factor of 24 |
| A multiple of 4 |  |  |
| Not a multiple of 4 |  |  |

***Find one number for each section in the Carroll diagram below.***

***Is there a box that this is impossible for? If so explain in the box why!***

|  |  |  |
| --- | --- | --- |
|  | A factor of 10 | Not a factor of 10 |
| Not a factor of 20 |  |  |
| A factor of 20 |  |  |

***Find one number for each section in the Carroll diagram below.***

***Is there a box that this is impossible for? If so explain in the box why!***

|  |  |  |
| --- | --- | --- |
|  | Prime | Composite (non-prime) |
| Multiple of 12 |  |  |
| Not a multiple of 12 |  |  |