**Common factors, multiples and primes**

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| Name : | Class : | Date : |

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| --- | --- | --- |
| Mark : | /10 | % |

|  |  |
| --- | --- |
| **1)** Find the factor pairs of 35Pair 1: ..................     Pair 2: ..................            | [1]   |
| **2)** List the first 6 multiples of 11.     ..................      | [1]   |
| **3)** Write all the numbers that are factors of **both** 32 and 40     ..........      | [1]   |
| **4)** Give ONE number which is a multiple of **both** of 6 and 9     .........      | [1]   |
| **5)** Give ONE number which is a multiple of **both** of 5 and 16     .........      | [1]   |
| **6)** What number is a multiple of **both** 8 and 12, but ends in a 4?     .........      | [1]   |
| **7)** List all the prime numbers less than 20           .................. | [1]   |
| **8)** Find the missing number in the equivalent fractions.        $\frac{3}{4}=\frac{?}{32}$     ? = ......... | [1]   |
| **9)** Put the numbers in the correct positions in the Carroll Diagram:           8     45     17     30

|  |  |  |
| --- | --- | --- |
|   | **multiple of 5** | **not a multiple of 5** |
| **multiple of 2** |  |  |
| **not a multiple of 2** |  |  |

 | [1]   |
| **10)** Put the numbers in the correct positions in the Carroll Diagram:           42     15     29     18

|  |  |  |
| --- | --- | --- |
|   | **greater than 20** | **less than 20** |
| **multiple of 6** |  |  |
| **not a multiple of 6** |  |  |

 | [1]   |

**Solutions for the assessment Common factors, multiples and primes**

|  |  |
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| **1)** 1 35 5 7 | **2)** 11,22,33,44,55,66 |
| **3)** 1,2,4,8 | **4)** 18 or any multiple of 18 |
| **5)** 80 or any multiple of 80 | **6)** 24 |
| **7)** 2,3,5,7,11,13,17,19 | **8)** 24 |
| **9)** 30 , 845 , 17 | **10)** 42 , 1829 , 15 |