**Common factors, multiples and primes**

|  |  |  |
| --- | --- | --- |
| Name : | Class : | Date : |

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

|  |  |
| --- | --- |
| **1)** Find the factor pairs of 18Pair 1: ..................     Pair 2: ..................Pair 3: ..................            | [1]   |
| **2)** List the first 4 multiples of 20.     ..................      | [1]   |
| **3)** Write all the numbers that are factors of **both** 32 and 24     ..........      | [1]   |
| **4)** Give ONE number which is a multiple of **both** of 4 and 10     .........      | [1]   |
| **5)** Give ONE number which is a multiple of **both** of 17 and 26     .........      | [1]   |
| **6)** What number is a multiple of **both** 3 and 9, but ends in an 8?     .........      | [1]   |
| **7)** List all the prime numbers less than 20           .................. | [1]   |
| **8)** Find the missing number in the equivalent fractions.        $\frac{3}{5}=\frac{12}{?}$     ? = ......... | [1]   |
| **9)** Put the numbers in the correct positions in the Carroll Diagram:           45     14     13     20

|  |  |  |
| --- | --- | --- |
|   | **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:           26     18     14     42

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

 | [1]   |

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

|  |  |
| --- | --- |
| **1)** 1 18 2 9 3 6 | **2)** 20,40,60,80 |
| **3)** 1,2,4,8 | **4)** 20 or any multiple of 20 |
| **5)** 442 or any multiple of 442 | **6)** 18 |
| **7)** 2,3,5,7,11,13,17,19 | **8)** 20 |
| **9)** 20 , 1445 , 13 | **10)** 42 , 1826 , 14 |