**October Assessment 2013**

**NUMBER**

**Level 4 – 6**

Name:…………………………………………….. Date:……………………..………………….

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| 1 | A sequence of numbers is shown.8 14 20 26 ……. …….Write down the next two numbers in the sequence. | L4 |
| 2 | A different sequence begins9 15 21 27 33 39Write down a rule for this sequence.……………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………… | L4 |
| 3 | From the list of numbers1 2 5 8 9 24 30 32**a** write down the multiples of 8**b** write down the factors of 45**c** the square number**d** the cube number | L4 |
| 4 | Complete the prime factor tree.7703852 111 | L4 |

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| 5 | Fill in the blanks37 x …….. = 37004300 ÷ ……… = 43 | L4 |
| 6 | Put these numbers in order of size.Start with the **smallest** number.0.302 0.320 0.032 0.203 0.023 | L4 |
| 7 | Some triangles and stars are drawn below.Write down the ratio of triangles to stars.Write down the ratio of stars to triangles. | L4 |
| 8 | Work out 6000 – 3875 | L4 |
| 9 | Work out 541.8 – 20.2 | L4 |
| 10 | Work out 684.75 + 56.4 | L4 |
| 11 | Work out 42 x 6 | L4 |
| 12 | Work out 92 ÷ 4 | L4 |

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| 13 | Work out 5.2 x 6 | L4 |
| 14 | Packets of biscuits cost £1.25 each.Megan buys six packets of biscuits.**a** How much does Megan pay?**b** She pays with a £10 note.How much change should Megan receive? | L4 |
| 15 | Find the **Lowest common multiple** of **4 and 14** | L5 |
| 16 | Find the **Highest common factor** of 18 and 30 | L5 |
| 17 | Look at the number below.5.327What does the digit 7 represent? | L5 |
| 18 | Fill in the blanks.0.3 x ….… = 300………÷ 100 = 0.03 | L5 |

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| 19 | Fill in the boxes.The first one is done for you.2.7 2.67 rounded to **one** decimal place is 2.75 rounded to **one** decimal place is2.05 rounded to **one** decimal place is2.91 rounded to **one** decimal place is | L5 |
| 20 | Write these temperatures in order.C:\Users\Japleen\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\1UCIPI0V\MC900027456[1].wmfStart with the coldest. −4ºC 3ºC −7ºC 0ºC −2ºC | L5 |
| 21 | Write the ratio **20:12** in its **simplest form**. | L5 |
| 22 | Work out3 + (-10) = 11 + (-8) = (-9) – (-9) = (-7) – 9 = | L5 |
| 23 | Work out2 x (-4) = 20 ÷ (-5) =(-6) x (-3)= ( -72) ÷ (-8) =  | L5 |
| 24 | Look at this calculation 32 x 386 = 12352Use this information to find answer to3.2 x 386 = | L5 |
| 25 | Work out 8.2 x 2.5 | L5 |
| 26 | Work out 2 + 5 x 3 | L5 |

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| 27 | Work out 348 x 27 | L5 |
| 28 | Work out 657 ÷ 3 | L5 |
| 29 | Work out 2934 ÷ 5 (if your answer is a decimal round to 2 d.p.) | L5 |
| 30 | Estimate 19 x 43 | L5 |
| 31 | A group of **28** people are going on a trip to a zoo.The ratio of males to females is **3:4**How many males are going on the trip? | L5 |

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| 32 | Write 60 as product of its primes.Write 70 as product of its primes.Find the highest common factor of 60 and 70.Find the Lowest common multiple of 60 and 70. | L6 |

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| 33 | Simplify these expressions.33 x 3668 ÷ 63(75)32e2 x 9e310a7 ÷ 5a5 | L6 |
| 34 | Miss Moneypenny inherits **£880** from a secret agent.She decides to save some of the money and spend the rest.The ratio of savings to spending money is **7 : 4**How much does she save? How much does she spend?Savings Spending money | L6 |
| 35 | If 9 ties cost £135, how much do 15 ties cost? | L6 |

**End of test**