**October Assessment 2013**

**NUMBER**

**Level 5 – 8**

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

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| 1 | Find the **Lowest common multiple** of **4 and 14** | L5 |
| 2 | Find the **Highest common factor** of 18 and 30 | L5 |
| 3 | Look at the number below.  5.327  What does the digit 7 represent? | L5 |
| 4 | Fill in the blanks.  0.3 x ….… = 300  ………÷ 100 = 0.03 | L5 |
| 5 | 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 is  2.05 rounded to **one** decimal place is  2.91 rounded to **one** decimal place is | L5 |

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| 6 | Write these temperatures in order.  C:\Users\Japleen\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\1UCIPI0V\MC900027456[1].wmf  Start with the coldest.  −4ºC 3ºC −7ºC 0ºC −2ºC | L5 |
| 7 | Write the ratio **20:12** in its **simplest form**. | L5 |
| 8 | Work out  3 + (-10) = 11 + (-8) =  (-9) – (-9) = (-7) – 9 = | L5 |
| 9 | Work out  2 x (-4) = 20 ÷ (-5) =  (-6) x (-3)= ( -72) ÷ (-8) = | L5 |
| 10 | Look at this calculation  32 x 386 = 12352  Use this information to find answer to  3.2 x 386 = | L5 |
| 11 | Work out 8.2 x 2.5 | L5 |
| 12 | Work out 2 + 5 x 3 | L5 |
| 13 | Work out 348 x 27 | L5 |
| 14 | Work out 657 ÷ 3 | L5 |

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| 15 | Work out 2934 ÷ 5 (if your answer is a decimal round to 2 d.p.) | L5 |
| 16 | Estimate 19 x 43 | L5 |
| 17 | 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 |
| 18 | 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 |
| 19 | Simplify these expressions.  33 x 36  68 ÷ 63  (75)3  2e2 x 9e3  10a7 ÷ 5a5 | L6 |
| 20 | 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 |
| 21 | If 9 ties cost £135, how much do 15 ties cost? | L6 |
| 22 | Simplify 25 ÷ 28  Evaluate 25 ÷ 28 | L7 |
| 23 | Write 5-6 as a index form. | L7 |

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| 24 | Evaluate | L7 |
| 25 | You can buy boxes of the same cereal in two sizes.  Which box is **better value** for money?  You **must** show working to explain your answer.  **A:** 500 g for £2.50 C:\Users\Japleen\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\K3LV2M3Z\MC900347069[1].wmf **B:** 400 g for £2.10  Tick your answer. A B | L7 |
| 26 | Work out 16 x 0.4 | L7 |
| 27 | Work out 0.7 ÷ 0.1 | L7 |
| 28 | Round these numbers to one significant figure.   1. 5.16 …………… 2. 36.5 …………… 3. 0.0042 ………….. | L7 |
| 29 | Write down an estimate for | L7 |
| 30 | Change the following numbers into standard form.   1. 0.056 = ……………… 2. 3 620 000 = …………….. | L8 |

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| 31 | Change the following numbers from standard form to normal numbers.   1. 2.45 X 104  ……………………. 2. 5.88 X 10-3 ……………………. | L8 |
| 32 | Calculate the following.  Write your answer in standard form.  (2 x 103) x (4 x 105)  (3 x 101) ÷ (2 x 10-4) | L8 |

**End of test**