**October Assessment 2013**

**NUMBER**

**Level 5 – 8**

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

|  |  |  |
| --- | --- | --- |
| 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.5.327What 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 is2.05 rounded to **one** decimal place is2.91 rounded to **one** decimal place is | L5 |

|  |  |  |
| --- | --- | --- |
| 6 | 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 |
| 7 | Write the ratio **20:12** in its **simplest form**. | L5 |
| 8 | Work out3 + (-10) = 11 + (-8) = (-9) – (-9) = (-7) – 9 = | L5 |
| 9 | Work out2 x (-4) = 20 ÷ (-5) =(-6) x (-3)= ( -72) ÷ (-8) =  | L5 |
| 10 | Look at this calculation 32 x 386 = 12352Use this information to find answer to3.2 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 |

|  |  |  |
| --- | --- | --- |
| 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 3668 ÷ 63(75)32e2 x 9e310a7 ÷ 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 ÷ 28Evaluate 25 ÷ 28 | L7 |
| 23 | Write 5-6 as a index form. | L7 |

|  |  |  |
| --- | --- | --- |
| 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 £2.10Tick 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 $\frac{415 x 87.3}{29.5 x 21.36}$ | L7 |
| 30 | Change the following numbers into standard form.1. 0.056 = ………………
2. 3 620 000 = ……………..
 | L8 |

|  |  |  |
| --- | --- | --- |
| 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**