

Numeracy Assessment



**Calculators not allowed**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Remember:

* The test is 1 hour long.
* You **must not** use a calculator for any question in this test.
* You will need a pen or pencil.
* Try to answer all questions.
* Write all your answers and working in the spaces provided in this test paper – do not use any rough paper. Marks may be awarded for working.
* Check your work carefully.
* Don’t spend too long on one question. Leave it and try the next one.

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| 1. | Write these numbers in **words**:  2721  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2 370 804  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Write these numbers in **figures**:  Nine thousand, one hundred and fifteen  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Seventeen point five four  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 4 |
| 2. | What is the **value** of the 7 in each of these numbers?  274 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 17 526 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 2 |
| 3. | C) Write these numbers in order, **starting with the lowest**:  356 ; 365 ; 305 ; 3,506 ; 360 ; 256  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  2.7 ; 7.2 ; 2.07 ; 7.02 ; 27.2 ; 0.27  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  12 ; - 3 ; -9 ; 2 ; 0 ; -12  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 3 |

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| 4. | D) Continue the sequence and write the rule for each set of numbers:  1) 2 , 5, 8 , 11 , \_\_\_\_\_\_\_ , \_\_\_\_\_\_\_ , \_\_\_\_\_\_\_  The rule is \_\_\_\_\_\_\_  2) 23 , 19 , 15 , \_\_\_\_\_\_\_ , \_\_\_\_\_\_\_ , \_\_\_\_\_\_\_  The rule is \_\_\_\_\_\_\_  3) -30 , -20 , -10 , \_\_\_\_\_\_\_ , \_\_\_\_\_\_\_ , \_\_\_\_\_\_\_  The rule is \_\_\_\_\_\_\_ | / 3 |
| 5. | Round these numbers to  (i) the nearest 10: (ii) the nearest 100  367 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3770 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (iii) the nearest 1000: (iv) 1 decimal place  4820 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 12.48 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 4 |
| 6. | Complete this table by multiplying OR dividing the numbers given:   |  |  |  | | --- | --- | --- | | **Number** | **x 10** | **x 100** | | 32 |  |  | | 17.5 |  |  | | **Number** | **÷ 10** | **÷ 100** | | 800 |  |  | | 35 |  |  | | / 8 |
| 7. | Simplify fully 8/24  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Find 4/5 of 30  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 2 |
| 8. | Find 35% of 260  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 1 |
| 9. | Divide £35 into the ratio 3:4  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 1 |
| 10. | Name the following shapes:   |  |  |  | | --- | --- | --- | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | / 6 |
| 11. | What coordinate does point A  represent? ( \_\_\_ , \_\_\_ )  Show the coordinate (4, -2) on  the grid above and label it B. | / 2 |

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| 12. | This conversion graph can be used to change between metres and feet.  (i) Use the conversion graph to change 6 metres to feet.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ feet  (ii) Use the conversion graph to change 7 feet to metres.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ metres | / 2 |
| 13. | (i) Write down the time shown on the clock.  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (ii) What time will the clock read 1 hour 30 minutes later?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 2 |
| 14. | Colin carried out a survey. He asked 36 Year 10 students which type of film they liked best. He used the results to draw this pie chart.  (i) How many students said comedy?  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (ii) How many students said horror? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | / 2 |

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| 15. | |  |  | | --- | --- | | 6 x 3 | 63 ÷ 9 | | 850 ÷ 5 | 426 x 127 | | 2.4 x 6 | 78 ÷ 0.2 | | 435 + 197 | 602 - 28 | | I buy a computer game for £28 and a DVD for £12.65. How much have I spent? | I have £10.77 and spend £8.34. How much money do I have left? | | / 2  / 2  / 2  / 2  / 2 |