**Year 4 Maths Assessments**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name:** | | | | | **Autumn Term** | **Test** | **Spring Term** | **Test** | **Summer Term** | **Test** |
| Place Value | 1. Count in multiples of 6, 7, 9, 25 and 1000. | | | |  |  |  |  |  |  |
| 2. Find 1000 more or less than a given number. Round any number to the nearest 10, 100 or 1000. | | | |  |  |  |  |  |  |
| 3. Count backwards through zero to include negative numbers. EG 3,2,1,0,-1,-2,-3,-4 | | | |  |  |  |  |  |  |
| 4. Recognise the place value of each digit in a 4-digit number (thousands, hundreds, tens, and ones). Order and compare numbers beyond 1000. | | | |  |  |  |  |  |  |
| 5. Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value. | | | |  |  |  |  |  |  |
| Add and Sub | 6. Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate. | | | |  |  |  |  |  |  |
| 7. Estimate and use inverse operations to check answers to a calculation. | | | |  |  |  |  |  |  |
| 8. Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. | | | |  |  |  |  |  |  |
| Mult and Divide | 9. Recall multiplication and division facts for multiplication tables up to 12 × 12. | | | |  |  |  |  |  |  |
| 10. Know what factor pairs are and be able to rearrange the numbers in multiplication problems to make them easier (Commutative law) EG 8x 12 is the same as 12 x 8 | | | |  |  |  |  |  |  |
| 11. Multiply two-digit and three-digit numbers by a one-digit number using formal written layout. | | | |  |  |  |  |  |  |
| 12. Solve problems involving x and +, including. using the distributive law | | | |  |  |  |  |  |  |
| Fractions | 13. Recognise and show, using diagrams, families of common equivalent fractions. | | | |  |  |  |  |  |  |
| 14. Count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten. | | | |  |  |  |  |  |  |
| 15. Add and subtract fractions with the same denominator. | | | |  |  |  |  |  |  |
| 16. Recognise and write decimal equivalents of any number of tenths or hundredths; EG 3/10 =0.3  Also the decimal equivalents to 1/4 1/2 and three quarters. EG 3/4 = 0.75 | | | |  |  |  |  |  |  |
| 17. Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths. | | | |  |  |  |  |  |  |
| 18. Round decimals with one decimal place to the nearest whole number. Solve simple measure and money problems involving fractions and decimals to 2 decimal places. | | | |  |  |  |  |  |  |
| MEASURE | 19. Convert between different units of measure (e.g. kilometre to metre). Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days). | | | |  |  |  |  |  |  |
| 20. Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. Find the area of rectilinear shapes by counting squares. | | | |  |  |  |  |  |  |
| 21. Estimate, compare and calculate different measures, including money in pounds and pence. | | | |  |  |  |  |  |  |
| 22. Read, write and convert time between analogue and digital 12 and 24-hour clocks. | | | |  |  |  |  |  |  |
| GEOMETRY | 23. Compare and classify geometric shapes, including quadrilaterals and triangles**,** based on their properties and sizes. | | | |  |  |  |  |  |  |
| 24. Identify acute and obtuse angles and compare and order angles up to two right angles by size. | | | |  |  |  |  |  |  |
| 25. Identify lines of symmetry in 2-D shapes presented in different orientations. | | | |  |  |  |  |  |  |
| 26. Complete a simple symmetric figure with respect to a specific line of symmetry. | | | |  |  |  |  |  |  |
| 27. Describe positions on a 2-D grid as coordinates in the first quadrant. Describe movements between positions as translations of a given unit to the left/right and up/down. | | | |  |  |  |  |  |  |
| 28. Plot specified points and draw sides to complete a given polygon (shape with more than 2 sides) | | | |  |  |  |  |  |  |
| STATS | 29. Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. | | | |  |  |  |  |  |  |
| 30. Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. | | | |  |  |  |  |  |  |
| Targets Key | | Autumn | Spring | Summer |  |  |  | | |  |