Willow Wood Primary School Assessment – Mathematics Reception

Pupil Name: _____

Developing Number Sense (deep knowledge of 10):	Developing Spatial Reasoning:	Thinking and Talking Mathematically:
In some mathematical learning, with increasing independence: • Join in with counting sequences to 10 • Count objects to 5 accurately and consistently • Recognise and label some numerals to 10 • Match quantities to numerals • Recognise small quantities without counting (perceptual subitising to 5) • Explore number composition through practical resources • Know these number bonds automatically – 0+0; 0+1; 1+0 • Solve simple addition and subtraction problems within 5 using objects and practical experiences • Begin to identify one more and one less **In most mathematical learning, with increasing independence:** • Verbally count confidently to 20 • Count objects to 10 accurately and consistently • Recognise, label and order numerals to 10 • Begin to use conceptual subitising for quantities past 5 • Understand that numbers can be composed in different ways • Know these number bonds automatically – 0+2; 1+1; 2+0; 0+3; 1+2; 3+0; 2+1 • Compare quantities within 10 and explain which is more or fewer • Identify one more and one less than a number to 10 • Solve practical addition and subtraction problems in everyday situations • Begin to recognise some patterns within numbers **Secure (End of Reception):** • Verbally count beyond 20 • Know these number bonds automatically – 0+4; 1+3; 2+2; 3+1; 0+4; 0+5; 1+4; 2+3; 3+2; 4+1; 5+0 • Recall some number bonds to 10 • Explore and represent patterns within numbers up to 10 • Solve addition and subtraction problems using a range of strategies • Begin to identify and discuss equal and unequal groups • Explain patterns and structures within number	**In some mathematical learning, with increasing independence:** • Recognise and talk about familiar shapes in the environment (square, circle, triangle, rectangle) • Complete puzzles and shape-sorters • Build using a range of construction materials • Use positional language such as, in, on, under, over, next to, on top, behind • Compare objects using language such as big and small, long, tall • Copy and continue different repeating patterns (AB/ ABB) **In most mathematical learning, with increasing independence:** • Recognise common 2D and some 3D shapes (cube, sphere, cuboid, square based pyramid) • Describe the properties of familiar 2D and 3D shapes (vertices, edge, face) • Compare length, height, capacity and weight through practical experiences • Create simple repeating patterns (AB) • Combine shapes and construction materials to create purposeful structures • Use spatial language, including to describe movement and direction, during play and problem-solving **Secure (End of Reception):** • Recognise, name and describe common 2D and 3D shapes using mathematical language • Use spatial language accurately to describe location, movement and position • Compare and discuss size, length, height, capacity and weight • Identify, copy, continue and create different patterns • Combine, manipulate and compose shapes to make new shapes and structures • Complete complex puzzles and construction challenges • Use spatial reasoning when building, designing and solving problems • Visualise and manipulate shapes and arrangements during play and learning	**In some mathematical learning, with increasing independence:** • Join in with mathematical songs, rhymes and games • Use some mathematical vocabulary during play • Answer simple mathematical questions • Talk about quantities, size and shape during everyday experiences • Explore mathematical ideas through practical activities **In most mathematical learning, with increasing independence:** • Use mathematical language during play and adult-led learning • Explain simple mathematical thinking • Talk about how they counted or solved a problem • Notice patterns, relationships and changes • Discuss similarities and differences between quantities, shapes and measures • Begin to justify answers using mathematical vocabulary **Secure (End of Reception):** • Use a wide range of mathematical vocabulary accurately • Explain mathematical thinking clearly • Justify answers and solutions using mathematical language • Solve practical mathematical problems during independent play • Identify patterns, relationships and connections across mathematics • Apply mathematical knowledge in meaningful everyday situations • Show curiosity and enjoyment when exploring mathematics e.g., tries different strategies when solving a problem/ persists when a task is challenging/ uses mathematical resources independently • Persevere when solving mathematical challenges • Discuss different ways to solve a problem • Demonstrate confidence, resilience and enjoyment in mathematics