

KS2 Test Preparation
Mathematical Explorations

KS2



The Piggott School: Charvil Primary Maths Learning Journey

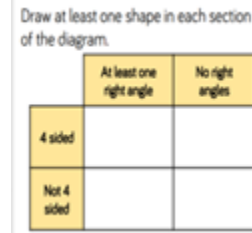
Reasoning with Fractions
Discovering Equivalence: Decimals and Percentages
Patterns in Shape, Statistics and Sequences

Investigating Number Systems
Pattern Sniffing
Exploration, Calculation and Generalising
Arithmetic (+, -, x, ÷)

Year
6

Pattern Sniffing
Investigating Number Systems
Solving Calculation Problems
Exploring Shape
Generalising Arithmetic

Visualising Shape
Exploring Change
Proportional Reasoning
Describing Position
Measuring and Estimating



Year
5



Reasoning with measures
Discovering Equivalence
Reasoning and Fractions
Solving Number Problems
Investigating Statistics

Reasoning with measures
Discovering Equivalence
Reasoning and Fractions
Solving Number Problems
Investigating Statistics

Pattern Sniffing
Investigating Number Systems
Solving Calculation Problems
Exploring Shape
Generalising Arithmetic

Year
4

Visualising Shape
Exploring Change
Proportional Reasoning
Describing Position
Measuring and Estimating

Pattern Sniffing
Investigating Number Systems
Solving Calculation Problems
Exploring Shape
Generalising Arithmetic

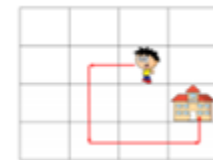
Visualising Shape
Exploring Change
Proportional Reasoning
Describing Position
Measuring and Estimating



Year
3

Visualising Shape
Exploring Change
Proportional Reasoning
Describing Position
Measuring and Estimating

Reasoning with measures
Discovering Equivalence
Reasoning and Fractions
Solving Number Problems
Investigating Statistics



Estimate the amount of water in the container.



Year
2

Reasoning with measures
Discovering Equivalence
Reasoning and Fractions
Solving Number Problem
Investigating Statistics

Pattern Sniffing
Investigating Number Systems
Solving Calculation Problems
Exploring Shape
Generalising Arithmetic

Divisions
2D and 3D shapes revisited
Position/Direction/Movement

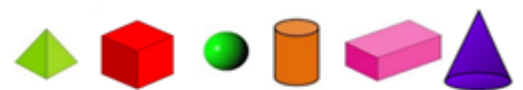
Addition and Subtraction
Fractions: Finding one half
Fractions: Finding one quarter

Coins
Multiplication
Recording Measurement

Year
1

Numbers 1-20
Addition and
Subtraction up to 20
2D and 3D shapes

Telling the time
Numbers 1-100
Addition and
Subtraction



Throughout EYFS, children will learn to:

EYFS

- Have a deep understanding of number to 10, including the composition of each number
- Subitise (recognise quantities without counting) up to 5
- Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts.
- Verbally count beyond 20, recognising the pattern of the counting system
- Compare quantities up to 10 with different contexts, recognising when one quantity is greater than, less than or the same as the other quantity
- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally