

Bridging the Gap: Year 6 to Year 7

This is designed to consolidate key KS2 concepts and build readiness for KS3. Each lesson focuses on areas where students often struggle or need confidence to make a smooth transition into Year 7.

| <u>Lesson</u> | <u>Focus Area</u> | <u>Content</u> | <u>Rationale</u> |
|---------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| 1 | Place Value & Number Operations | <ul style="list-style-type: none">• Read, write, order & compare numbers to 10,000,000• Mental and written methods for $+$, $-$, \times, \div• BODMAS | Foundational for algebra, fractions, and problem solving in KS3. |
| 2 | Fractions, Decimals & Percentages (FDP) | <ul style="list-style-type: none">• Convert between fractions, decimals, and percentages• Equivalent fractions• Add/subtract simple fractions | Key crossover skill needed for proportions and algebra. |
| 3 | Multiples, Factors & Primes | <ul style="list-style-type: none">• Identify factors, multiples, primes• LCM and HCF• Use in problem-solving | Critical for simplifying expressions and working with ratios. |
| 4 | Algebraic Thinking | <ul style="list-style-type: none">• Use & interpret simple algebraic expressions• Form & solve 1-step equations• Function machines | Builds confidence in algebra, often a major KS3 hurdle. |
| 5 | Fractions of Quantities & Ratio | <ul style="list-style-type: none">• Find fractions and percentages of amounts• Introduce ratio language and scale• Link multiplicative reasoning to scaling | Prepares for ratio, rates, and proportional reasoning. |
| 6 | Problem Solving & Reasoning | <ul style="list-style-type: none">• Multi-step problems mixing operations• Worded problems with FDP and algebra• Puzzles or “Maths mysteries” | Develops reasoning, resilience, and cross-topic fluency. |