

# What I Need to Know

## Maths Y6 Autumn: Addition, Subtraction, Multiplication & Division

*We nurture the curiosity to learn, the courage to lead and the compassion to care.*

You will:

- Solve addition and subtraction multi-step problems in contexts, which operations and methods to use and why
- Solve problems involving addition, subtraction, multiplication and division
- Use estimation to check answers to calculations and determine, an appropriate degree of accuracy,
- Identify common factors, common multiples and prime numbers
- Multiply multi-digit numbers up to 4 by a 2-digit whole number using the formal method of long multiplication
- Perform mental calculations, including with mixed operations and large numbers
- Divide numbers up to 4 by a 2-digit number using the formal written method of short division, some remainders
- Use their knowledge of the order of operations to carry out calculations involving the four operations

Small Steps	Met
Add and subtract integers	
Common factors	
Common multiples	
Rules of divisibility	
Primes to 100	
Square and cube numbers	
Multiply up to a 4-digit number by a 2-digit number	
Solve problems with multiplication	
Short division	
Division using factors	
Introduction to long division	
Long division with remainders	
Solve problems with division	
Solve multi-step problems	
Order of operations	
Mental calculations and estimation	
Reason from known facts	

Resources I might find helpful
Place value chart, multi-link, times tables grid, bead string, Dienes maths set (base 10), abacus, bar modelling,
Vocabulary I need to know...
Year 5 + operation, integer, long division, method, digit
Opportunities to support English and maths
<ul style="list-style-type: none"> <li>• Skim and scan texts to retrieve information quickly and accurately</li> <li>• Understand what the question requires you to do and Summarise ideas</li> </ul>

End of Unit Reflection
I am more confident because:
I still need support with:

