Keywords: Autumn 2
Year 7 Maths Class 7-5

Athena Sixth Form College

DOWNHAM MARKET ACADEMY

Topic Title:
We will learn to use four operations to calculate with fractions and to be able to form and operate using algebraic expressions.

What lessons will you cover during the topic?

Keyword	Definition
Algebraic notation	Algebraic notation is a way of expressing mathematical ideas concisely
Index laws	Index laws are the rules for simplifying expressions involving powers of the same base number
Forming expressions	An expression is a set of terms combined using the operations +, − , x or , for example 4 x − 3 or 5 x 2 − 3 x y + 17 .
Substituting expressions	Substitution means putting numbers in place of letters to calculate the value of an expression
Equivalent fractions	The fractions that represent the same value but look different(i.e different numerators or denominators)
Mixed number fractions	A fraction represented with its quotient and remainder is a mixed fraction
Numerator/denominator	A numerator represents the number of parts out of the whole, which is the denominator
Fraction of an amount	A fraction tells you how many parts of a whole there are. When we find a fraction of an amount, we are working out how much that 'part' is worth within the whole