

Y8 Brackets, Equations & Inequalities



What do I need to be able to do?

By the end of this unit you should be able to:

- Form Expressions
- Expand and factorise single brackets
- Form and solve equations
- Solve equations with brackets
- Represent inequalities
- Form and solve inequalities

Keywords

Simplify: grouping and combining similar terms

Substitute: replace a variable with a numerical value

Equivalent: something of equal value

Coefficient: a number used to multiply a variable

I I Product: multiply terms

Highest Common Factor (HCF): the biggest factor (or number that multiples to give a term)

Inequality: an inequality compares who values showing if one is greater than, less than or

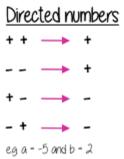
i i equal to another

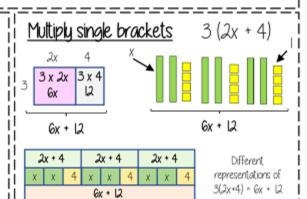
For unknown variables, a letter torm expressions is normally used in its place More than - QDD Less than/ difference - SUBTROCT eg 4 more than t -8 less than k

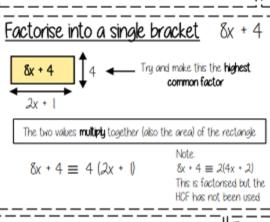
Only similar terms can be grouped together

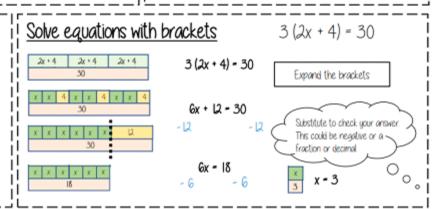


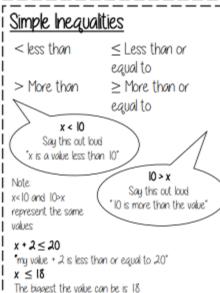
eg Find the perimeter of this shape (Perimeter = length around outside of shape)

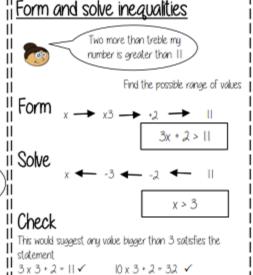












Algebraic constructs Expression a sentence with a minimum of two numbers and one maths operation Equation a statement that two things are equal a single number or variable Identity On equation where both sides have variables that cause the same answer includes ≡ Formula O rule written with all mathematical symbols ∣ea area of a rectanale 0 = b x h