

Y7 Mastery: Unit 6 – Expressions, Equations and Inequalities (Part 2)	Keyword/Skill	Definition/Tips
Preserving Equations (challenge)	Equation	A statement showing that two expressions are equal.
We can use a known equation to form other related equations. $3 \times 9 = 10 + 17$ This is called persevering an equation, making sure what is on the left of the equals sign has the same	Preserving an equation	Making sure the value on the left hand side of the equals sign is the same as the value on the right hand side (it balances)
I added 8 to each expression. I multiplied each expression by 10.	Equality	When two things are equal i.e. 10 + 3 = 15 - 2
$3 \times 9 + 8 = 10 + 17 + 8$ $10 \times 3 \times 9 = 10(10 + 17)$	Inequality	Compares two values which are not equal , showing which one is greater than or less than
Inequalities with Shape You can compare lengths of a shape using an inequality r + 2q + p 2(q + r)	Perimeter	The distance of the outside of the shape (add all the sides together)
$\frac{p}{p} = \frac{p}{p} = \frac{p}$	Other Topics/ Expression formulae Solving E Subject of Inequalit	<u>/Units this could appear in:</u> ons & substituting into simple quations of ies