

## Year 9 Mathematics Targets

Targets	Video Link 1	Link 2	Link 3	Question(s)	Question(s) 2	Answers	Answers 2
Put decimal numbers in order	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Use brackets and hierarchy of operations (BIDMAS)	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Round numbers and calculations to a specified number of decimal places	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Round numbers and calculations to a specified number of significant figures	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Find estimates for calculations, by rounding numbers to 1 significant figure	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Use index laws for multiplication and division when the index is a whole number (positive or negative)	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Find the lowest common multiple and highest common factor of a set of numbers	<a href="#">Click this link</a>	<a href="#">click this link</a>	<a href="#">click this link</a>	<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Break down a number as a product of prime factors	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Know the squares of 1 to 15 and the corresponding square roots	<a href="#">Click this link</a>	<a href="#">click this link</a>	<a href="#">click this link</a>	<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Know the cubes of 1, 2, 3, 4, 5 and 10 and the corresponding cube roots	<a href="#">Click this link</a>	<a href="#">click this link</a>	<a href="#">click this link</a>	<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Simplify an algebraic expression by collecting like terms	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Expanding single and double brackets	<a href="#">Click this link</a>	<a href="#">click this link</a>		<a href="#">Practice questions</a>	<a href="#">Practice questions</a>	<a href="#">Answers</a>	<a href="#">Answers</a>
Factorise by taking out common factors	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Substitute numbers into expressions and formulae e.g. convert 30°C into °F using $F = \frac{9}{5} C + 32$	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Round numbers and calculations to a specified number of decimal places	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	

Round numbers and calculations to a specified number of significant figures	<a href="#">Click this link</a>			<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Change recurring decimals into fractions and vice versa	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Use index laws for multiplication and division when the index is a whole number (positive or negative)	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Use index laws for multiplication and division when the index is a fraction (positive or negative)	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Know that if there are x ways to do one thing, y ways to do another and z ways to do another there are xyz ways in total	<a href="#">Click this link</a>	-		Practice questions		Answers	
Simplify surds	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Perform simple calculations with surds	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Perform more complex calculations with surds	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Rationalise the denominator	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Understand how to convert a normal number into a standard form number	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Perform calculations involving standard form numbers with and without a calculator	<a href="#">Click this link</a>	<a href="#">Click this link</a>		<a href="#">Practice questions</a>		<a href="#">Answers</a>	
Order standard form numbers	<a href="#">Click this link</a>	-		<a href="#">Practice questions</a>		<a href="#">Answers</a>	