

As you transition from Year 11 to Year 12, it is very important to refresh your memory on certain mathematical skills. Moreover, it is vital that you have a sound understanding of some more difficult skills. In the tables below, you will find the skills that you should be confident with as you start Year 12. Get 100% on each and use the videos if you are stuck.

Strand	Topic	Skill	Skill #
Number	Fractions	Multiply whole number by fractions	67
		Multiplying fractions 1	68
		Multiplying fractions 2	69
		Dividing fractions	70
		Reciprocal of fractions	71
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		Index form 2 (power of 0 & 1)	103
		Index form 3 (power of negative integers)	104
		Index form 4 (multiplying indices)	105
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		Index form 6 (power of power rule)	107
		Index form 7 (powers of unit fractions)	108
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		Index form 9 (combination of rules)	110
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	Brackets involving surds 1	116	
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Estimation	Round to significant figures	130	
Algebra	Manipulating expressions	Collecting like terms 2	157
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		Expand two single brackets & simplify	161

Strand	Topic	Skill	Skill #
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		Expand double brackets 3	164
		Expand brackets (difference of two squares)	165
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		Factorise simple expressions 1	168
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		Simplifying expressions by factorising 1	170
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		Expressions with algebraic fractions	172
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	Linear equations	Solve 1step equations (balance method)	178
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		Solve 2step equations (involving division)	180
		Solve 2step equations (x on denominator)	181
		Solve 2step equations (x negative)	182
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Simultaneous equations (in context)	195		

Strand	Topic	Skill	Skill #
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		Solving simultaneous equations using straight lines 1	218
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		Factorise quadratic expressions 2	224
		Factorise quadratic expressions 3	225
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Strand	Topic	Skill	Skill #
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