

Websites for Mathematics Development

1. A website designed for preservice teachers who need to revise their basic maths that covers all strands of the Australian Curriculum:

<http://www.utas.edu.au/mathematics-pathways/pathway-to-education>

2. Websites specific to Number and Place Value

<http://www.mathsisfun.com/place-value.html>

<http://www.mathsisfun.com/decimals.html>

http://www.mathsisfun.com/ordering_decimals.html

<http://www.mathsisfun.com/prime-composite-number.html>

<http://www.mathsisfun.com/prime-factorization.html>

<http://www.mathsisfun.com/rational-numbers.html>

<http://www.mathsisfun.com/irrational-numbers.html>

<http://www.purplemath.com/modules/placeval.htm>

<http://www.purplemath.com/modules/placeval2.htm>

<http://www.purplemath.com/modules/placeval3.htm>

<http://www.purplemath.com/modules/factnumb.htm>

<http://www.purplemath.com/modules/rounding.htm>

More sites on the next page

Topic	Level	Detail	Website	Type	Comments
Arithmetic	Basic skills	Basic Numeracy	http://www.mathcentre.ac.uk/resources/Refresher%20Booklets/numeracy%20refresher/mathcentreNumeracy1.pdf	Static	Covers decimals, fractions, ratios, percentages. Explanations, examples and questions for all-round remediation
Arithmetic	Basic skills	Long multiplication and division	http://www.bbc.co.uk/schools/gcsebitesize/maths/number/multiplicationdivisionrev2.shtml	Static	Explains methods for multiplication and division w/o calculator. 2 pages and a quiz
Arithmetic	Basic skills	Positives and Negatives	http://www.bbc.co.uk/schools/gcsebitesize/maths/number/negativenumbersrev1.shtml	Static	3 pages of explanations, examples and questions with a culminating quiz
Arithmetic	Basic skills	Positives and Negatives	http://www.kutasoftware.com/FreeWorksheets/Alg1Worksheets/Adding+Subtracting%20Rational%20Numbers.pdf	Static	32 questions, including addition and subtraction of positives and negatives, integer, decimals and fractions, with answers
Arithmetic	Basic skills	Positives and Negatives	http://www.kutasoftware.com/FreeWorksheets/Alg1Worksheets/Multiplying+Dividing%20Rational%20Numbers.pdf	Static	36 questions, including multiplication and division of positive and negative integers with answers
Arithmetic	Basic skills	Powers	http://www.bbc.co.uk/schools/gcsebitesize/maths/number/powersrootshirev1.shtml	Static	Includes scientific notation and exponential numbers including roots. 3 pages of explanation with examples, questions and a quiz
Arithmetic	Basic skills	Fractions	http://www.bbc.co.uk/schools/gcsebitesize/maths/number/fractionsrev1.shtml	Static	4 pages of basic explanations, examples and questions with a quiz
Algebra	Basic skills	Fractions	http://www.mathcentre.ac.uk/resources/leaflets/mathcentre/business/mc-bus-addsub-2009-1.pdf	Static	From basic fractions to complex algebraic fractions. Explanations, examples and questions with answers
Algebra	Basic skills	Expanding Brackets	http://www.kutasoftware.com/FreeWorksheets/Alg1Worksheets/Distributive%20Property.pdf	Static	24 questions, expanding single brackets, positive and negative, with answers
Algebra	Basic skills	Factorising	http://www.staff.vu.edu.au/mcaonline/units/algebra/alglike.html	Static	Identifying like terms and re-arranging Algebraic functions
Algebra	Basic skills	Factorising through	http://www.mathcentre.ac.uk/resources/Engineering%20maths%20first%20aid%20kit/latexsource%20and%20diagrams/2_6.pdf	Static	Explanations and questions with answers

		observati on			
Algebra	Basic skills	Solving linear functions and basic fractions	http://www.bbc.co.uk/apps/ipl/schools/gcsebitesize/maths/quizengine?quiz=equationshigher&templateStyle=maths	Stati c	10 question quiz
Algebra	Basic skills	Re-arranging and solving linear functions	http://www.staff.vu.edu.au/mcaonline/units/algebra/algtrans.html	Stati c	Includes simple and complex function explanations, worked examples, practice questions and worked solutions

Finally a favourite of many students: <https://www.khanacademy.org/math> where there are screencasts and practice questions on any maths topic you desire.