

Student Self-Tracker LIGHTHOUSES 4 – 9 (HIGHER SKILLS)

Use these objectives to make your way up the Lighthouse system.

www.learninglighthouses.webs.com has all the assessments and answers. **TEST YOURSELF.**

Learning Lighthouse 4

	Times Tables	Divide by a two digit number	Rounding to decimal places	Multiply decimals	% of amount (multiples of 5, 10%)	Area of a triangle	Solving three step equations	Plot coordinates in all four quadrants	Simplify expressions	Find missing angles triangles and lines	Find mean, median, mode and range	Split amounts in a ratio
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12

Learning Lighthouse 5

	Multiply Algebra terms	Divide algebra terms	Significant figures	Converting standard form	Decreasing percentages	Equations in context	Interior angles of polygons	Gradients of lines	Linear sim equations	Bearings	Quartiles	Pie charts
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12

Learning Lighthouse 6

	Multiply Algebra terms (negatives)	Divide algebra terms (indices)	Significant figures (decimals)	Converting (neg) standard form	Percentages original price	Quad equations in context	Int & ext angles of polygons	$y = mx + c$	More linear sim equations	Pythagoras' Theorem	Multiple event probability	Factorise quadratics
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12

Learning Lighthouse 7

	Multiply Algebra terms (negatives)	Divide algebra terms (indices)	Bounds	Multiply d& divide standard form	Compound interest	Quad equations in context	Int & ext angles of polygons	Midpoints and gradients	More linear sim equations	Pythagoras' Theorem	Multiple event probability	Factorise non-unitary quadratics
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12

Learning Lighthouse 8

	Multiply Surds	Rationalise surds	Upper bounds in calculations	Four rules standard form	Volume of sphere	Recurring decimal to fraction	Quadratic sim equations	Perpendicular gradients	Solve quadratics	Trigonometry	Histograms	Probability (combinations)
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12

Learning Lighthouse 9

	Basic trig ratios	Conjugate to rationalise	Upper and lower bounds	BODMAS standard form	Decimal multipliers	Sectors of circles	Intersection quad graphs	Line segments	Factorise/solve non unitary quads	Trigonometry area of triangles	Histograms	Tesellations
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12
Check	1	2	3	4	5	6	7	8	9	10	11	12