Foundation Skills Revision List

Use this as a working document to assess your understanding of the topics. RAG your confidence and understanding of the topics before you start. Choose a variety of topics to revise and then update the RAG sheet regularly so you can keep track of the subjects you want to prioritise. Remember - don't work for too long in one session, use a variety of revision strategies to keep your revision interesting. Get plenty of sleep! A tired brain will struggle to retain anything!

Number

Sparx Website

	Topics	Topic Code	RAG
N1	Ordering positive integers	U600	
N2	Ordering decimals	U435	
N3	Ordering negative numbers	U947	
N4	Adding and subtracting positive integers	U417	
N5	Multiplying and dividing positive integers	U127, U453	
N6	Adding and subtracting negative numbers	U742	
N7	Multiplying and dividing negative numbers	U548	
N8	Adding and subtracting decimals	U478	
N9	Multiplying and dividing with place value	U735	
N10	Multiplying and dividing with decimals	U293, U868	
N11	Order of operations	U976	
N12	Prime numbers, prime factorisation	U236, U739	
N13	Factors, multiples, HCF and LCM	U211, U751, U529	
N14	Powers and roots	U851	
N15	Using standard form	U330, U534	
N16	Calculating with standard form	U264, U290, U161	
N17	Equivalent fractions and simplifying fractions	U704, U646	
N18	Mixed numbers and improper fractions	U692	
N19	Ordering fractions	U746	
N20	Addition and subtraction of fractions	U736, U793	
N21	Multiplication and division of fractions	U475, U544	
N22	Converting and ordering fractions, decimals and	U888, U594	
N23	Fractions of amounts	U881, U916	
N24	Percentages of amounts	U554, U349	
N25	Percentage change	U773, U671	
N26	Reverse percentages	U286, U278	
N27	Simple interest	U533	
N28	Rounding	U480, U298	
N29	Rounding to significant figures	U731, U965	
N30	Estimating answers	U225	

N31	Value for money	M681	
N32	Fractions	U224, U538, U793	
N33	Factors, multiples and primes	U739, U250	
N34	Percentage change	U671, U332, U988	
N35	Standard form	U330, U534, U264, U290	
N36	Error intervals	U657	

Algebra

	Topics	Clip Number	RAG
A1	Algebraic expressions	U613	
A2	Collecting like terms	U105	
A3	Substitution	U201, U585, U144	
A4	Expanding brackets	U179, U768	
A5	Factorising expressions	U365	
A6	Index laws	U235, U694, U662, U103	
A7	Changing the subject	U556	
A8	Coordinates	U789, U889	
A9	Midpoints	U933	
A10	Plotting straight line graphs	U741	
A11	Equations of straight line graphs	U315, U669	
A12	Parallel lines	U377	
A13	Distance-time graphs	U403, U914, U462, U966	
A14	Quadratic graphs	U989, U667	
A15	Linear equations	U755, U325, U870, U505, U599	
A16	Quadratic expressions and equations	U178, U228	
A17	Linear sequences	U213, U530, U498, U978	
A18	Other sequences	U958, U680	
A19	Linear inequalities	U759, U738, U145, U337	
A20	Index laws	U662	
A21	Linear simultaneous equations	U760, U757, U836, U137	
A22	Linear graphs and coordinates	U315, U669, U477, U848, U377	
A23	Quadratic graphs and equations	U989, U667, U228, U601	

Ratio and proportion

	Topics	Clip Number	RAG
R1	Simplifying ratios	U687	
R2	Sharing amounts in a ratio	U753, U577	
R3	Converting between ratios, fractions and percen	U176	
R4	Direct proportion	U721, U640	

R5	Inverse proportion	U357, U364	
R6	Proportion graphs	U238	
R7	Units of measure: Length, Mass and Capacity	U102, U388	
R8	Units of measure: Time	U902	
R9	Units of measure: Area	U248	
R10	Currency conversion	U610	
R11	Conversion graphs	U652, U638, U862	
R12	Compound units: Speed	U151	
R13	Ratio	U687, U753, U176, U577, U921, U865	
R14	Speed	U151	
R15	Density and pressure	U910, U527	
R16	Proportion	U721, U357, U610	

Geometry and measures

	Topics	**Clip Number**	**RAG**
GM1	Properties of 2D shapes	U121, U849	
GM2	Properties of 3D shapes	U719	
GM3	Nets of 3D shapes	U761	
GM4	Angles: Measuring, Drawing and Estimating	U447	
GM5	Angle on a line and about a point	U390	
GM6	Vertically opposite angles	U730	
GM7	Angles on parallel lines	U826	
GM8	Angles in a triangle	U628	
GM9	Combining angle facts	U655	
GM10	Angles in a quadrilateral	U732, U329	
GM11	Angles in polygons	U427	
GM12	Bearings	U525, U107	
GM13	Translations	U196	
GM14	Reflections	U799	
GM15	Enlargements	U519	
GM16	Rotations	U696	
GM17	Congruence	U790, U866	
GM18	Area and perimeter of simple shapes	U993, U970, U351, U226	
GM19	Area of triangles, parallelograms and trapeziums	U945, U575, U424, U265, U343	
GM20	Circles	U767	
GM21	Circumference	U604, U221	
GM22	Circle area	U950, U373	
GM23	Surface area	U929, U259, U871	
GM24	Volume of cuboids	U786	

GM25	Volume of prisms and cylinders	U174, U915	
GM26	Similar shapes	U551, U578	
GM27	Scale diagrams	U257	
GM28	Area	U226, U343, U950	
GM29	Volume	U786, U174, U915	
GM30	Angles	U655, U826, U329, U427	
GM31	Pythagoras' theorem	U385	
GM32	Trigonometry	U605, U283, U545	
GM33	Transformations	U196, U799, U696, U519, U766	

Probability

	Topics	Clip Number	RAG
P1	Probability scale	U803	
P2	Probability of single events	U408, U510, U683	
P3	Experimental probability	U580	
P4	Expected outcomes	U166	
P5	Listing elements in a set	U748, U296	
P6	Probability from Venn diagrams	U476	
P7	Frequency trees	U280	
P8	Sample space diagrams	U104	
P9	Tree diagrams	U558, U729	
P10	Calculating probabilities	U408, U510, U683, U580	
P11	Set notation	U748, U296	

Statistics

	Topics	Clip Number	RAG
S1	Collecting data, frequency tables	U322, U120	
S2	Two-way tables	U981	
S3	Bar charts	U363, U557	
S4	Pictograms	U506	
S5	Pie charts	U508, U172	
S6	Stem and leaf diagrams	U200, U909	
S7	Mode	U260	
S8	Mean	U291	
S9	Median	U456	
S10	Range	U526	
S11	Choosing averages	U717	
S12	Scatter graphs	U199, U277, U128	

S13	Averages	U717, U569	
S14	Averages with grouped data	U877	
S15	Sampling	U162	
S16	Scatter graphs	U199, U277, U128	