Topics	Periods	List of skills	Notes
Non Calculator	3	Decimals (add and subract)	
		Decimals (multipy and divide)	
		BOMDAS Refresh	
Negative numbers and Scales	2	Basic Operations	
		Reading Scaes	
Rounding and Sig. Figures	3	Rounding to 1,2,3 decimal places	
		Rounding to 1,2,3 significant figures	
Ratio and Proportion	6	Reminder Lesson on Ratio	
		Direct Proportion	
		Calculating using a ratio	
		Sharing out in relation to a ratio	
		Inverse proportion	
Percentages	8	Percentage rise and fall	
		Percentages without a calculator (5%, 2% and 15%)	
		Calculating a percentage (3/20 = 15%)	
		Percentage increase/decrease	
		Compound Percentages	
		Reverse Percentages	
		Finding percentage increase/decrease	
Probability	5	Reminder of basic probability and how to calculate a probability as a fraction	
		Reminder of probabilty scale and probabilities as a decimal/percentage/ratio.	
		Calculating a chance given a probability	
		Comparing probabilities (interpretting probabilities from a table)	
Fractions	5	Recap of simplifing and equivalent	
		Converting from mixed to top heavy (vice versa)	
		Adding and subtracting fractions	
		Multipying and dividing fractions	
Time	5	Converting between hours and minutes	
		Choosing which formula	
		SDT Graph Interpretation	
		Minutes and Seconds	
		Time Zones (assessed only nat 5)	
Bearings and Scale Drawing	5	Bearings (reading angles) and NESW	
		Drawing bearings	
		Scale Drawings with Measurements	
Tolerance	3	Using tolerance intervals (State max/min and eliminate value)	
		Calculating the tolerance interval	
		Using place value to determine max and min	
Box Packing	2	Calculate the maximum amount of boxes that can fit in a container	
		Exam Questions (One way up)	
Formulae	3	Discuss basic substitution	
		Formulae in contexts	
Pythagoras	7	Pythagoras Investigation and intro to finding hypotenuse	
		Finding a shorter side	
		Pythagoras problems	
		Pythagoras in 3D	
		Circles and Pythagoras	
Gradient	3	Rise/run expressing as a fraction (include negative gradient)	
		Other ways of writing gradient (decimal and percentage) and comparing steepness	
		Word problems involving gradient	
Area/Perimeter	7	Perimeter	
		Area of Rectangle	
		Area of Triangle	
		Area and Perimeter of a Circle	
		Area of Composite shapes	
		Area/perimeter costing problems	
		Area/perimeter costing problems continued	
Surface Area	2	Surface Area of Cuboid	
Volume	6	Volume of a cuboid	
		Converting volume to liquid (ml/l)	
		Volume problems	
		Volume context	
		Volume of prisms	
		Volume of Cones, Spheres	
		Shared Volumes	
Precedence Tables	2	Presedence tables (prerequisite etc)	
		Presedence diagrams	
Factors affecting income	10	Weekly/monthly pay	
		Calculate Salary	
		Rate of Pay	
		Overtime pay	
		Commision	
		VAT	
		Tax	
		NI	
		Net Pay	
Budgeting	3	Income and Expenditure (surplus and defecit)	
		Using budgetting to plan an event	
		Profit and Loss	
Currency Exchange	3	Converting to and from	
		Context questions (with commission charges)	
		Multiple Conversions (up to three for exam)	
		Calculate Exchange Rate	
Interest	3	Simple Interest (good)	
		Simple Interest (debt)	
		APR (1 month/6 month pay back)	
		Compound interest	
Averages	4	Mean, median, Mode and rage	
		Mean, meadian mode (most suitable method)	
		Comparison of data involving mean and range	
Charts and Graphs	5	Making a line graph or bar chart	
		Frequency Table and basic class intervals	
		Drawing a Pie Chart	
		Scattergraphs	
Statistics	8	Five Figure Summery	
		Drawing Comparitive Box Plots	
		Interpretation	
		Standard Deviation	
		SD interpretation	
Comparing Cost/Hire Purchase	5	Comparing quantities	
		Ways of buying (deposits, hire purchase)	
		Selecting a deal given an individuals requirements	
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