

National 4 Apps Checklist

To help identify targets for revision

<http://www.mathsmutt.co.uk/nat4apps.html>

Managing Finance and Statistics (F&S)

Pay slips

	I need to revise this	I'm okay with this	I can do this
Basic Pay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Additional income	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gross pay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overtime	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deductions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Net pay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Simple budgets

	I need to revise this	I'm okay with this	I can do this
Income & expenditure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Create a simple budget	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Profit & loss	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Percentage profit & loss	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Bills

	I need to revise this	I'm okay with this	I can do this
Utility bills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foreign Exchange	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate a discount	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Identify the best deal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compound Interest	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Appreciation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Depreciation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
VAT	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Statistics

	I need to revise this	I'm okay with this	I can do this
Mean	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Median	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mode	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Frequency table	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stem & Leaf diagrams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pie charts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scatter diagrams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Line of best fit	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Probability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Geometry & Measures (G&M)

Conversions

	I need to revise this	I'm okay with this	I can do this
Convert units of length (Km through to mm)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Convert units of mass (Tonnes through to g)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Convert units of volume (Cubic Metres to mm)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Perimeter, area and volume

	I need to revise this	I'm okay with this	I can do this
Calculate perimeter of 2D shapes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate area of 2D shapes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate composite area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate volume of cuboids	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate composite volume	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Volume of prisms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scales and scale drawings

	I need to revise this	I'm okay with this	I can do this
Use a scale factor	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use Map scales	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use bearings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Create scale drawing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scaled area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scaled volume	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tolerance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Time

	I need to revise this	I'm okay with this	I can do this
Calculate time intervals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Convert decimal time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate distance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate speed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
calculate time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Container packing

	I need to revise this	I'm okay with this	I can do this
First fit algorithm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Gradients

	I need to revise this	I'm okay with this	I can do this
Calculate a gradient	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Use $m=v/h$	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pythagoras

	I need to revise this	I'm okay with this	I can do this
Use Pythagoras' Theorem	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate a hypotenuse	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Calculate a side	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Numeracy (Num)

Basic arithmetic

	I need to revise this	I'm okay with this	I can do this
Adding, subtracting whole numbers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multiplying, dividing whole numbers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adding, subtracting decimals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multiplying, dividing by 10,100,1000	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multiplying, dividing decimals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bodmas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Adding, subtracting integers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Multiplying, dividing integers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Rounding

	I need to revise this	I'm okay with this	I can do this
Rounding to decimal places	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Significant figures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scientific notation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Fractions

	I need to revise this	I'm okay with this	I can do this
Identify basic fractions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Equivalent fractions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Find fractions of amounts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Convert a fraction into a decimal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Convert a fraction into a percentage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Percentages

	I need to revise this	I'm okay with this	I can do this
Find 10% of an amount	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Find 1% of an amount	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Find a percentage of an amount	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Convert a percentage into a fraction	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Convert a percentage into a decimal	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Percentage increase	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Ratio

	I need to revise this	I'm okay with this	I can do this
Use ratio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Share in a given ratio	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Direct proportion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scales

	I need to revise this	I'm okay with this	I can do this
Reading scales	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Using a scale	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>