

## EDEXCEL FOUNDATION CHECKLIST 2017

### Number

I can do this	Grade	Title
	5	Calculating with fractions
	5	Error intervals
	5	Index Laws
	5	Limits of accuracy
	4	Adding and subtracting fractions
	4	Checking calculations
	4	Compound measures
	4	Converting metric units
	4	Estimation
	4	Fractions and percentages
	4	Fractions and ratio problems
	4	Interpret calculator displays
	4	LCM and HCF
	4	Multiples and factors
	4	Multiplying fractions
	4	Operations
	4	Order of operations
	4	Powers
	4	Rounding
	4	Standard Form
	4	Terminating decimals and fractions
	3	Decimals
	3	Listing outcomes
	3	Prime numbers
	3	Using standard units
	2	Add and Subtract integers
	2	Dividing integers
	2	Multiplying integers
	2	Ordering numbers
	2	Place value

### Probability

I can do this	Grade	Title
	5	Probability of dependent events
	5	Probability of independent events
	4	Mutually exclusive sum
	4	Relative Frequency
	4	Tables and Grids
	4	Theoretical Probability
	4	Unbiased Samples
	4	Venn Diagrams
	3	Frequency Trees
	3	Probability of equally likely outcomes

#### Exam details:

**Edexcel GCSE Mathematics A - Foundation**

#### Exam Dates:

**Paper 1 (non-calc) – Thursday 25<sup>th</sup> May 2017 AM**

**Paper 2 (calc) – Thursday 8<sup>th</sup> June 2017 AM**

**Paper 3 (calc) – Tuesday 13<sup>th</sup> June 2017 AM**

**All papers 90 mins each**

Statistics

I can do this	Grade	Title
5	5	Histograms with equal class widths
5	5	Scatter graphs
4	4	Comparing data using graphs
4	4	Comparing Distributions
4	4	Correlation
4	4	Population
4	4	Sampling
4	4	Scatter Diagrams
4	4	Time series
3	3	Charts and Diagrams
3	3	Pie Charts
3	3	Types of data
3	3	Vertical Line Charts

Ratio, Proportion and rates of change

I can do this	Grade	Title
5	5	Compound Units
5	5	Gradient & the rate of change
5	5	Growth and decay
5	5	Interpret Proportion
5	5	Percentage change
5	5	Problems with compound units
5	5	Scale factors and similarity
5	5	Simple Interest and Financial Maths
5	5	Solve Proportion Problems
4	4	Compare Fractions, Decimals and Percentages
4	4	Compare lengths, area, volume
4	4	Comparing quantities as a ratio
4	4	Division of a quantity as a ratio
4	4	Express one quantity as a % of another
4	4	Percentage change
4	4	Problems involving ratio
4	4	Proportion and ratio
4	4	Ratio and fractions
4	4	Ratio Sharing
3	3	Convert standard units
3	3	Express one quantity as a fraction of another
3	3	Use ratio notation
3	3	Use scale factors, diagrams and maps

FOUNDATION - Grades 1 - 5

Geometry and Measures

I can do this	Grade	Title
5	5	Arc lengths and sectors
5	5	Derive triangle results
5	5	Enlargements and negative SF
5	5	Locii
5	5	Pythagoras
5	5	Similarity and Congruence
5	5	Standard constructions
5	5	Surface Area
5	5	Trigonometric ratios
5	5	Volume
4	4	Alternate and corresponding angles
4	4	Area of a circle
4	4	Areas of composite shapes
4	4	Areas of triangles, trapezia and parallelograms
4	4	Bearings
4	4	Circle terminology
4	4	Circumference of a circle
4	4	Congruent triangles
4	4	Enlargements and Fractional SF
4	4	Perimeter of 2D shapes
4	4	Plans and elevations
4	4	Polygons
4	4	Solve geometrical problems
4	4	Vector arithmetic
4	4	Volume of prisms
3	3	3-D Shapes
3	3	Congruent and similar shapes
3	3	Geometrical terminology and diagrams
3	3	Measuring lines and angles
3	3	Properties of quadrilaterals
3	3	Properties of triangles
3	3	Translations and vectors
3	3	Using standard units

Algebra

I can do this	Grade	Title
5	5	Algebraic terminology
5	5	Cubic and Reciprocal graphs
5	5	Deduce quadratic roots algebraically
5	5	Derive an equation
5	5	Equation of a line
5	5	Expand the product of two binomials
5	5	Factorising quadratic expressions
5	5	Fibonacci, quadratic and simple geometric sequences
5	5	Inequalities on number lines
5	5	Linear equations
5	5	Linear graphs
5	5	Reciprocal real-life graphs
5	5	Simplify indices
5	5	Simplify surds
5	5	Solve linear inequalities in one variable
5	5	Writing formulae and expressions
4	4	Changing the subject
4	4	Collecting like terms
4	4	Expressions
4	4	Factorise single bracket
4	4	Finding the equation of a line
4	4	Graphs of linear functions
4	4	Graphs of quadratic functions
4	4	Linear equations one unknown
4	4	Multiplying single brackets
4	4	Non-standard real life graphs
4	4	nth term of a linear sequence
4	4	Number machines
4	4	Substitution
4	4	Using "y = mx + c"
3	3	Coordinates in four quadrants
3	3	Plotting straight line graphs
3	3	Position to term rules
3	3	Sequences of square, triangular and cube numbers
3	3	Using Formulae
2	2	Sequences and Rules