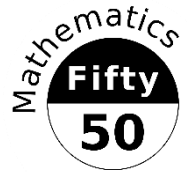


FIFTY50 MATHEMATICS - FILES LIST

Worksheets

W001-Addition of whole numbers
W002-Addition chains
W003-Subtraction of whole numbers
W004-Mixed tables
W005-Multiplication of whole numbers
W006-Division of whole numbers
W007-Distributive law
W008-Order of operations
W009-Divisibility by 1, 2, 4, 8
W010-Divisibility by 3, 6, 9, 12
W011-Divisibility by 5, 7, 10, 11
W012-Prime factorisation
W013-Factors
W014-Multiples
W015-Comparing integers
W016-Adding and subtracting integers
W017-Multiplying and dividing integers
W018-Number patterns
W019-Picturing fractions
W020-Equivalent fractions
W021-Improper fractions and mixed numbers
W022-Addition of fractions
W023-Subtraction of fractions
W024-Fraction of a whole number
W025-Multiplication of fractions
W026-Division of fractions
W027-Percentages and fractions
W028-Percentages of an amount
W029-Decimals - place value and rounding
W030-Decimals addition and subtraction
W031-Decimals multiplication
W032-Decimals division
W033-Decimals and fractions conversion
W034-Angle types
W035-Measuring angles
W036-Drawing angles with a protractor
W037-Triangle types
W038-Angle sum in a triangle
W039-Quadrilateral types
W040-Angle sum in a quadrilateral
W041-Angles at a point
W042-Angles on parallel lines
W043-Transformations
W044-Metric units of length
W045-Perimeter
W046-Area
W047-Volume of prisms
W048-Capacity
W049-Mass
W050-Algebra - Like terms 1
W051-Algebra - Like terms 2
W052-Algebra - Multiplying pronumerals
W053-Expansion
W054-Substitution
W055-Equations - checking solutions 1
W056-Equations - checking solutions 2
W057-Equations - Set 1
W058-Equations - Set 2
W059-Equations - Set 3
W060-Input output tables
W061-Graphs Set 1
W062-Graphs Set 2
W063-Mean median and mode
W064-Plotting points Quadrant 1
W065-Probability
W066-Whole number operations

W067-Factors and multiples
W068-Powers
W069-Roots
W070-Directed numbers
W071-Fractions revision
W072-Decimals - recurring and rounding
W073-Decimals revision
W074-Percentages
W075-GST mark-up and discount
W076-Ratio and rates
W077-Ratio and rates Unitary method
W078-Angles - calculating
W079-Congruent figures
W080-Similar figures
W081-Similar figures calculations
W082-Perimeter of polygons
W083-Circumference
W084-Area of polygons
W085-Area of a circle
W086-Surface area
W087-Volume
W088-Time
W089-Pythagoras
W090-Algebra revision
W091-Algebraic fractions
W092-Equations
W093-Inequalities
W094-Indices 1
W095-Indices 2
W096-Indices 3
W097-Interpreting graphs
W098-Plotting linear graphs 1
W099-Plotting linear graphs 2
W100-Plotting linear graphs 3
W101-Sketch graphs using intercepts
W102-Tally and frequency
W103-Probability
W104-Venn diagrams
W105-Simplifying surds
W106-Operations with surds
W107-Zero negative and fractional indices
W108-Cones and spheres TSA and volume
W109-CAS triangle solving
W110-Circle properties
W111-Trigonometry
W112-Rearranging formulae
W113-Linear graphs
W114-Simultaneous equations
W115-Completing the square
W116-Quadratic graphs
W117-Expanding DOS and perfect squares
W118-Expanding quadratics 1
W119-Expanding quadratics 2
W120-Factorising quadratics 1
W121-Factorising quadratics 2
W122-Quadratic equations by factorising
W123-Simple and compound interest
W124-Discriminant and quadratic formula
W125-Plotting quadratic graphs 1
W126-Plotting quadratic graphs 2
W127-Plotting quadratic graphs 3
W128-Converting units of area
W129-Converting units of volume
W130-Common conversions
W131-Rounding whole numbers



Activities

- A001-Palindromes
A002-Magic square construction
A003-Sieve of Eratosthenes
A004-Tangle tables 1
A005-Tangle tables 2
A006-Tangle tables 3
A007-Tangle tables 4
A008-Tangle tables 5
A009-Tangle tables 6
A010-Squares and square roots
A011-Happy numbers
A012- Line up - Integer ranges
A013-Constructing 30 and 60 degree angles with a ruler
A014-Bisecting with a straight edge
A015-Constructing graphs Part 1
A016-Constructing graphs Part 2
A017-Plotting points in 4 quadrants
A018-Drawing Stem plots
A019-Analysing stem plots
A020-Pascals triangle
A021-7-11-13 division trick
A022-Mystic rose
A023-Four fours
A024-Golbachs conjecture
A025-Five attached stamps
A026-Picks theorem
A027-Puzzling sums
A028-The 1089 number trick
A029-Fibonacci numbers
A030-Extreme place value
A031-Adding a million numbers
A032-Binary numbers
A033-Magic cards
A034-The four colour problem
A035-Perfect numbers
A036-Angle sum in a polygon
A037-Mid points of a quadrilateral
A038-Billiard ball bounces 1
A039-Billiard ball bounces 2
A040-Dot grid triangles
A041-Dot grid perimeter puzzle
A042-Dot grid area puzzle
A043-Multiplication of integers grid
A044-Decimals - fractions reference table
A045-Directed numbers alt method
A046-Zig zag paths
A047-Euler's law 2D
A048-Euler's law 3D
A049-Maximum tray volume
A050-Compass constructions
A051-Bricklayer problem
A052-Line designs
A053-Angles on a 4 x 4 dot grid
A054-Cardoid and nephroid
A055-Battleships game
A056-Sprouts game
A057-3D solids
A058-Polyhdera specifications
A059-Polyhdera construction
A060-Star polygons
A061-Triangular numbers
A062-Euler paths and circuits
A063-Tangram puzzle
A064-Magic egg puzzles
A065-Pentominoes
A066-Measuring length
A067-Map coordinates
A068-Best buys
A069-Alphabet symmetry
A070-Lines of symmetry
A071-Polygon symmetry
A072-Tesselation codes
A073-8 x 8 magic square
A074-Four attached stamps
A075-Game of 50
A076-Apothem
A077-Estimating pi - using poly circumference
A078-Game of Hex
A079-Hexaminoes and symmetry
A080-Koch snowflake
A081-Prime formula
A082-Primes and odd numbers
A083-Sum of 4 squares
A084-Sum of cubes
A085-Spiral of Archimedes
A086-Regions in a circle
A087-Triangles within a triangle
A088-Geometric designs
A089-Pentahexes
A090-Napiers rods
A091-Russian multiplication
A092-Making pi
A093-Polar spiral
A094-Conic 1 - Parabola
A095-Conic 2 - Ellipse
A096-Conic 3 - Hyperbola
A097-Sine graph plotting
A098-Cosine graph plotting
A099-Tangent graph plotting
A100-Mobius strip
A101-Magic squares puzzles
A102-Pythagoras proofs
A103-Rectangle diagonals
A104-Exponential graph plotting
A105-ABC symbol
A106-Super ellipse
A107-Gradient graph
A108-Kaleidoscope designs
A109-Plotting x to the power of n
A110-Infinity symbol
A111-Heptagon shading
A112-Limacon polar equation
A113-Polytans
A114-Polyiamonds
A115-Polygon designs
A116-Integration 1
A117-Integration 2
A118-Integration 3
A119-Circle graphs
A120-Absolute value graphs
A121-Integration 4
A122-Gradient of chords and tangent
A123-Origami Bi-pyramid
A124-Interesting inequalities
A125-Origami cube
A126-Origami dodecahedron
A127-Origami tray
A128-Origami tray using A4 paper
A129-Whirlybird
A130-Origami plane
A131-Buffons needles
A132-Rotating ring of tetrahedra
A133-Stella octangula
A134-Trihexaflexagon
A135-Stellated dodecahedron
A136-Compound of five tetrahedra
A137-Circumference length
A138-Compound of 5 octahedra
A139-Great dodecahedron
A140-Origami cube from a square
A141-Mega maze
A142-Circular maze
A143-Triangular maze
A144-Hex maze
A145-Penrose tilings
A146-Penrose tilings - Rhombii
A147-Trisecting triangle angles
A148-Knights tour
A149-Viewing angle
A150-Triangle centres
A151-The sine ratio
A152-The cosine ratio
A153-The tangent ratio
A154-Squares on a chessboard
A155-Game of squares
A156-Game of SOS
A157-Game of Side to side
A158-Game of Join the line
A159-Game of 5 in a row
A160-Game of Target corner
A161-Chaos theory Part 1
A162-Chaos theory Part 2
A163-Sine and sawtooth graphs
A164-Square wave
A165-Hailstone numbers
A166-Polar petals
A167-A pentagonal tiling
A168-A non-regular hexagonal tiling
A169-Circle centres
A170-Cyclic quadrilaterals
A171-Gradients of perpendicular lines
A172-Area of an ellipse
A173-Lucas numbers
A174-Tangential quadrilaterals
A175-Intersection game
A176-Pappus theorem
A177-Armstrong numbers
A178-Point in an equilateral triangle
A179-Fermat point
A180-Fence and river
A181-Limits
A182-Topological trees
A183-Same birthday probability
A184-Can 64 equal 65
A185-Golden rectangles
A186-Finding e
A187-Infinite geometric series
A188-Pyramid and prism volume compared
A189-Reassembling angles
A190-Treasure hunt bearings
A191-Bank statement
A192-Pythagorean triples formula
A193-Rooks tour
A194-Enlarging a map of Australia
A195-Roman numerals
A196-Secret codes using a key
A197-Maths terms crossword
A198-Geometry wordsearch
A199-Maximum rectangle area
A200-Game of 15
A201-The abacus
A202-Dilation transformations
A203-Series for e
A204-Origami cup
A205-Numbers crossword
A206-Origami tetrahedron
A207-Rotating origami flower
A208-Origami triangle box
A209-Origami envelope
A210-Origami frog
A211-Maximum tray volume from A4
A212-Equations - forward tracking
A213-Equations - back tracking
A214-Equations - more back tracking
A215-Tyler pattern 1
A216-Tyler pattern 2
A217-Tyler pattern 3
A218-Tyler pattern 4
A219-Tyler pattern 5
A220-Tyler pattern 6
A221-Tyler pattern 7
A222-Tyler pentagons
A223-Tyler pattern 8

Posters

P001-Area - WHITE BG
P002-Area
P003-Circle properties -WHITE BG
P004-Circle properties
P005-Function transformations 1
P006-Function transformations 2
P007-Geometric designs
P008-Graph ruler
P008-Impossible figures WHITE BG
P009-Koch
P010-Line designs
P011-Linear radian scale - with curves
P012-Maths-Pro
P013-Maths-Rules
P014-OHSAHCOAT
P015-Optical illusions
P016-Platonic and Archimedian polyhedra
P017-Polygon
P018-Polyhedra DIAGRAMATIC
P019-Polyhedra WHITE BG DIAGRAMATIC
P020-Super models PHOTOS
P021-Tesellations
P022-Times tables
P023-Volume
P024-Powers of ten prefixes
P025-Triangle centres
P026-Golden spiral
P027-Roman numerals
P028-Mathematics symbols
P029-Geometry symbols
P030-Amazing equation
P031-Quadratics features
P032-Angle types
P033-Angles on parallel lines
P034-Interval notation
P035-Impossible figures WHITE BG
P036-Simple v compound interest
P037-Greek alphabet
P038-Index laws
P039-Area of a circle
P040-Prime factors
P041-Triangle area formula
P042-Trapezium area formula
P043-Number types
P044-Parallelogram area formula
P045-Triangle types
P046-Quadrilateral types
P047-Kite area formula
P048-Times tables grid
P049-Discriminant
P050-Co-ordinate geometry
P051-Prime numbers chart
P052-Probability scale
P053-Maths topics
P054-Normal curve areas 1dp
P055-Normal curve areas 2dp
P056-Set notation
P057-Commutative law etc
P058-Transformations
P059-Units conversion
P060-Pythagoras theorem
P061-Divisibility tests
P062-Trigonometry
P063-Sine and cosine rules
P064-Compass directions
P065-Correlation scatter graphs

P066-Trig graphs basic
P067-Cubic functions
P068-Exponential and log graphs
P069-Hyperbola
P070-Truncus
P071-x to the power of n
P072-Circle and ellipse graphs
P073-Absolute value graph
P074-Scale factor
P075-Parabola
P076-Ellipse
P077-Hyperbola
P078-Gradient function
P079-General trig graph
P080-Quartic functions poster

Appendices

Appendix 01 - Cartesian grid 1st quadrant
Appendix 02 - Cartesian grids x 6 - 4 quadrants
Appendix 03 - Centimetre square grid paper
Appendix 04 - Isometric grid paper
Appendix 05 - Two 10 x 10 grids
Appendix 06 - 3 cm Triangles x 48
Appendix 07 - 3 cm Squares x 24
Appendix 08 - 3 cm Pentagons x 12
Appendix 09 - 3 cm Hexagons x 9
Appendix 10 - 3 cm Octagons x 6
Appendix 11 - 3 cm Decagons x 6
Appendix 12 - Table of prime factorisations
Appendix 13 - The first 500 primes
Appendix 14 - 1000 random digits
Appendix 15 - Dot paper - square
Appendix 16 - Dot paper - isometric
Appendix 17 - Percentage pie charts
Appendix 18 - 1 to 100 tables
Appendix 19 - Protractors
Appendix 20 - Powers tables
Appendix 21 - Surd helper 250
Appendix 22 - Number lines
Appendix 23 - Times tables
Appendix 24 - 3 cm polygons for polyhedra construction
Appendix 25 - Prime numbers less than 1000
Appendix 26 - Unit Circle
Appendix 27 - Squares of numbers 1 to 100
Appendix 28 - Cartesian grids x 6 - 4 quadrants small
Appendix 29 - Platonic polyhedra nets page 1
Appendix 30 - Platonic polyhedra nets page 2
Appendix 31 - Platonic polyhedra nets page 3
Appendix 32 - Archimedean polyhedra nets page 1
Appendix 33 - Archimedean polyhedra nets page 2
Appendix 34 - Archimedean polyhedra nets page 3
Appendix 35 - Archimedean polyhedra nets page 4
Appendix 36 - Archimedean polyhedra nets page 5
Appendix 37 - Archimedean polyhedra nets page 6
Appendix 38 - Archimedean polyhedra nets page 7
Appendix 39 - Archimedean polyhedra nets page 8
Appendix 40 - Archimedean polyhedra nets page 9
Appendix 41 - Archimedean polyhedra nets page 10
Appendix 42 - Archimedean polyhedra nets page 11
Appendix 43 - Archimedean polyhedra nets page 12
Appendix 44 - Archimedean polyhedra nets page 13
Appendix 45 - 2 x 4 quadrant Cartesian grids
Appendix 46 - Bingo tickets Set A
Appendix 47 - Bingo tickets Set B
Appendix 48 - Bingo recording grid
Appendix 49 - Bingo squares for cutting out
Appendix 50 - Numbers 1 to 100 large grid
Appendix 51 - Polar grid
Appendix 52 - 5 degree divisions pie charts
Appendix 53 - Mathematics award certificate GPP
Appendix 54 - Maths currency 1 unit
Appendix 55 - Maths currency 5 units
Appendix 56 - Maths currency 10 units
Appendix 57 - Maths currency 20 units
Appendix 58 - Maths currency 50 units
Appendix 59 - Maths currency 100 units
Appendix 60 - Clock faces
Appendix 61 - Bisector aid
Appendix 62 - First quadrant Unit circle
Appendix 63 - Rulers
Appendix 64 - Fractions wall
Appendix 65 - Millimetre grid paper
Appendix 66 - 2000 decimal places of pi

Appendix 67 - Compass directions
Appendix 68 - Large bearings protractor
Appendix 69 - Median and quartiles positions
Appendix 70 - Log-log graph paper
Appendix 71 - Semi-log graph paper
Appendix 72 - 2018 Calendar
Appendix 73 - Nets for Activity 136
Appendix 74 - Maximum tray volume guides
Appendix 75 - Two 10 x 10 grids - 1 mm divs
Appendix 76 - Full page 1 mm grid