Mathletics South Africa National Curriculum Skill Quests







February 2023

Mathletics

South Africa Program of Studies Skill Quests February 2023

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Grade 3

Numbers, Operations and Relationships

Торіс	Quests	Content
Count objects	Count concrete objects	Counting objects by grouping
Count forwards and backwards	Count in 1s	Counting in 1s up to 1000
	Count in 10s	Counting in 10s up to 1000
	Count in 5s	Counting in 5s up to 50
		Counting in 5s up to 100
		Counting in 5s up to 1000
	Count in 2s	Counting in 2s up to 50
		Counting in 2s up to 100
	Count in 2s, 5s & 10s	Counting in 2s, 5s & 10s up to 50
	Count in 3s	Counting in 3s up to 36
		Counting in 3s up to 100
	Count in 4s	Counting in 4s up to 100
	Count in 20s	Counting in 20s to 200
	Count in 25s	Counting in 25s to 200
	Count in 50s	Counting in 50s to 200
	Count in 100s	Counting in 100s up to 1000
Number symbols and number	Number symbols &	Reading & writing 3-digit
names	number names	numbers
Describe, compare and order	Describe, compare &	Comparing & ordering
numbers	order numbers	numbers up to 1000
		Ordinal numbers
Place value	Place value	Place value up to 200
		Identifying the place value of
		digits up to 1000
		Partitioning numbers up to 200
		Partitioning numbers to 1000
Addition and subtraction	Addition & subtraction word problems	Solving addition & subtraction word problems
	Problem solving:	Problem solving with addition
	addition & subtraction	& subtraction
		Inverse relationship
		(add/subtract)
-		Solving 2-step word problems
Repeated addition leading to	Solve multiplication	Solving word problems with
multiplication	problems	arrays
Grouping and sharing leading to	Multiplication & division	Solving multiplication &
division Techniques (methods or strategies)	problems Round numbers	division problems Rounding numbers up to 100
rechniques (methous of strategies)	Nound numbers	Rounding numbers up to 100
		on a number line
	Doubles & near doubles	Adding using doubles up to 20
		Adding using doubles or near
		doubles

		Subtracting using doubles
Addition and subtraction	Add & subtract within	Adding within 100
	100	Adding two 2-digit numbers
		by bridging
		Number pairs to 100
	Add within 1000	Adding up to 3-digit numbers
		- jump strategy
		Adding up to two 3-digit
		numbers - split strategy
		Add up to 3-digit numbers
		rounding & compensating
		Adding up to 3-digit numbers - bridging to 10
		Adding two 3-digit numbers -
		formal method
	Subtract within 1000	Subtracting 2-digit numbers -
		models
		Subtracting up to 3-digit
		numbers - jump strategy
		Subtracting up to 3-digit
		numbers - split strategy
		Subtracting up to 3-digit
		numbers - rounding
		Subtracting up to 3-digit
		numbers - bridging to 10
	Add & subtract within	Add & subtract 2-digit
	1000	numbers - bridging
		Add & subtract up to 3-digit
		numbers - jump
		Add & subtract up to 3-digit
		numbers - split
		Add & subtract up to 3-digit
		numbers - add to 10
		Add & subtract - rounding &
		compensating
		Add & subtract - non-
		standard partitioning
	Add & subtract with multiples	Adding & subtracting multiples of 100
	Efficient strategies to	Efficient strategies to add &
	add & subtract	subtract
	Estimate addition &	Estimating additions &
	subtraction	subtractions
Repeated addition leading to	Multiplication facts up	Multiplication facts for 2
multiplication	to 10 x 10	Multiplication facts for 5
		Multiplication facts for 2, 5, 10
		Recalling multiplication facts
		to 5 x 5
		Multiplication facts for 3
		Multiplication facts for 4
	Multiplication facts for	Multiplication facts for 3 (up to
	3 & 4 (12x)	12x)
		Multiplication facts for 4 (up to
		12x)

Division	Division	Dividing by 2
DIVISION	DIVISION	Dividing by 5
		Dividing by 10
		Dividing by 2, 5, 10
		Dividing by 3
		Dividing by 4
	Division by 3 & 4 up to	Dividing by 3 up to 36
	x12	Dividing by 4 up to 48
	Recalling division facts	Recalling division facts for 2
	2, 5, 10, 3, 4	Recalling division facts for 5
		Recalling division facts for 10
		Recalling division facts for 3
		Recalling division facts for 4
		up to 40
		Recalling division facts for 4
		up to 48
Mental mathematics	Compare & order	Ordering numbers to 1000
	numbers	Comparing numbers to 1000
	Addition & subtraction facts	Addition & subtraction facts to 20
		Adding multiples of 10
	Multiplication & division	Multiplication facts for 2 (up to
	facts	10x)
		Division facts for 2
		Multiplying & dividing by 2
		Multiplying & dividing by 5
		Multiplication facts for 10 (up
		to 10x)
		Division facts for 10
		Multiplying & dividing by 10
		Multiplying & dividing by 2s, 5s & 10s
		Multiplying & dividing by 3 (up
		to 36)
		Multiplying & dividing by 4
		Multiplying & dividing by 4 (up
		to 48)
		Multiply & divide facts within
		x10
Fractions	Introduce fractions	Understanding the meaning of
		fraction symbols
		Numerator and denominator
	Introduce halves,	Quarters of objects, sets or
	quarters & eights	shapes
		Finding halves & quarters
		Halves & quarters of linear
		models or sets
		Counting in halves & quarters
		Comparing halves/quarters
		using models
		Introducing eighths
	Introduce thirds, sixths	Introducing thirds
	& fifths	Counting in thirds
		Counting in an as

Introducing sixths
Introducing fifths

2 Patterns, Functions and Algebra

Торіс	Quests	Content
Geometric patterns	Geometric patterns	Recognising geometric
		patterns
		Manipulating geometric
		patterns
		Creating geometric patterns
Number patterns	Number patterns	Number patterns
		Additive number patterns (3s,
		4s, 6s, 7s, 8s, 9s)
		Subtractive number patterns
		Additive & subtractive number
		patterns

3 Space and Shape (Geometry)

Торіс	Quests	Content
Position, orientation and views	Position & views	Describing a path
Position and directions		Interpreting simple maps
		Following a path on a simple
		map
3-D objects	3-D objects	Introducing 3-D objects
		Introducing spheres
		Introducing cones
		Introducing cubes
		Introducing cylinders
2-D shapes	2-D shapes	Comparing & sorting 2-D
		shapes
Symmetry	Lines of symmetry	Recognising line symmetry of
		shapes

4 Measurement

Торіс	Quests	Content
Time	Tell the time	Using a calendar
		Telling time to the hour
		Telling time to the half hour
		Telling time to the quarter
		hour
		Telling the time in minutes
		Telling time to the nearest five minutes
		Recalling relationships
		between units of time
		Converting between hours,
		minutes & seconds
		Converting between
		quarter/half hours & minutes
Length	Lengths: informal units	Comparing & ordering informal
		measures
Mass	Mass: informal units	Comparing & ordering mass
		using informal units
	Mass: formal units	Introducing formal units:
		kilograms
		Introducing formal units: grams
Capacity/volume	Volume & capacity:	Comparing & ordering
	informal units	volumes using blocks
		Comparing & ordering
		volumes through displacement
	Capacity: formal units	Introducing units for volume & capacity: litres
Perimeter and area	Perimeter & area	Introducing perimeter
		Calculating the perimeters of
		rectangles

5 Data Handling

Торіс	Quests	Content
Collect and organise data	Data: collect & organise	Asking simple questions to
		gather data
		Grouping simple data
		Introducing tally charts
		Introducing basic tables
		Introducing statistical
		investigation
Represent data	Represent data	Representing data in a picture
		graph
		Representing data in a table
Analyse and interpret data	Interpret data	Interpreting data in a bar chart
		Interpreting data in tables,
		tally & bar charts

Grade 4

1 Numbers, Operations and Relationships

Торіс	Quests	Content
Whole numbers	Add & subtract with multiples	Adding & subtracting multiples of 10
		Adding & subtracting multiples of 100
	Multiplication facts up to 10 x 10	Multiplication facts for 2 (up to 10x)
		Multiplication facts for 5 (up to 10x)
		Multiplication facts for 2s, 5s, & 10s (up to 10x)
		Multiplication facts for 3 (up to 10x)
		Multiplication facts for 4 (up to 10x)
		Multiplication facts for 6 (up to 10x)
		Multiplication facts for 7 (up to 10x)
		Multiplication facts for 8 (up to 10x)
		Multiplication facts for 9 (up to 10x)
		Recalling multiplication facts (10 x 10)
	Mult/div by multiples of 10, 100 & 1000	Multiplying by multiples of 10
		Multiplying by multiples of 100 Multiplying by multiples of 1000
	Skip count forwards & backwards	Skip counting by 2s
		Skip counting by 5s
		Skip counting by 3s
		Skip counting by 3 to 30 from any multiple
		Skip counting by 10s, 100s & 1000s
		Skip counting by 50s
	Disco value to	Skip counting by 25s
	Place value to thousands	Reading & writing numbers Numbers before & after
	thousanas	Partitioning (standard)
		Partitioning (non-standard)
		Comparing & ordering
		numbers to 4 digits
		Rounding to nearest 10, 100 or 1000
	Odd & even numbers	Odd & even numbers

	Addition & subtraction	Add & subtrast using place
		Add & subtract using place
	strategies	value & number lines
		Add & subtract using jump
		strategies
		Add & subtract using split
		strategies
		Add & subtract using a bar
		model
		Add & subtract using round &
		compensate strategies
		Add & subtract using efficient
		strategies
		Using inverse operations for
		add/sub equations
		Relationship between addition
		& subtraction
	Multiplication	Multiplying: rounding,
	strategies	compensating & partitioning
		Multiplying: doubling & halving
		Multiplying: split method
		Multiplying: area model
	Division strategies	Dividing: partitioning
	Multiples	Dividing: subtracting partial
		products
		Dividing: area model
		Division problems: 2-digit
		number by 1-digit number
		Division problems: 3-digit by
		1-digit number
		Inverse facts: multiplication &
		division
		Multiples up to 100
	Properties of whole	Commutative property of
	numbers	multiplication (x10)
		Associative property of
		multiplication (x10)
		Distributive property of
		multiplication (x10)
	Addition & subtraction	Addition & subtraction word
	word problems	problems
		Expressing word problems as
		equations
	Multiplication & division	Expressing equations as word
	word problems	problems
		Solving multiplication &
		division word problems
Common fractions	Compare & order	Comparing & ordering
	fractions	fractions
	Add common fractions	Adding unit fractions (same
		denominator)
		Adding proper fractions (same
		denominator)
	Equivalent fractions	Equivalent fractions up to 1
		whole

2 Patterns, Functions and Algebra

Торіс	Quests	Content
Numeric patterns	Number patterns	Additive & subtractive number patterns
		Exploring number patterns in tables & charts
		Investigating sequences with multiples
		Exploring number patterns
		Generating add/sub patterns from a rule
		Generating multiplication patterns from a rule
	Function machines	Using a function machine to apply rules to numbers
Geometric patterns	Shape patterns	Finding & generating shape patterns from a rule
Number sentences	Addition & subtraction	Equivalent number sentences
	number sentences	Word problems for finding unknown quantities

3 Space and Shape (Geometry)

Торіс	Quests	Content
Properties of 2-D shapes	2-D shapes	Representing & describing
		regular polygons
		Quadrilaterals
		Comparing & describing two-
		dimensional shapes
Properties of 3-D objects	3-D shapes	Spheres
		Pyramids
		Comparing 3-D shapes
Symmetry	Symmetry	Drawing lines of symmetry
Transformations	Transformations	Creating & drawing
		symmetrical designs
	Tessellations	Recognising tessellations
Position and movement	Location & directions	Grid-referenced maps
Length	Length	Measuring length (cm & m)
		Estimating length (cm)
		Measuring length (mm)
		Ordering length (mm, cm, m)
		Comparing length (mm, cm, m)
		Appropriate units of
		measurement (mm, cm, m)

4 Measurement

Торіс	Quests	Content
Length	Calculations with	Converting units of length
	length	(whole numbers)
Mass	Mass	Investigating mass in
		packaging
		Measuring mass in whole
		numbers (g, kg)
		Converting units of mass (g, kg)
		Comparing & ordering mass (g, kg)
		Adding & subtracting mass
		Mass word problems
Capacity/volume	Capacity	Introducing litres
		Introducing millilitres
		Selecting appropriate units to measure capacity
		Reading liquid volume (ml)
		Adding & subtracting (ml, l)
		Converting units of capacity (ml, l)
		Solving volume word problems (ml, l)
Time	Time	Telling time to the minute
		(analog)
		Telling time to the minute (analog)
		Telling time to the minute (digital)
		Using am & pm notation
		24-hour clock
		Converting time
		Calculating elapsed time
	Calendars, timetables	Using timetables
	& timelines	Introducing timelines
		Reading a calendar
Perimeter, surface area and volume	Perimeter	Introducing perimeter
		Perimeter on a grid
		Measuring perimeter
	Area	Measuring & estimating area
		using square units
		Measuring & comparing
		regular & irregular shapes
	Volume	Using unit cubes to measure
		volume

5 Data Handling

Торіс	Quests	Content
Representing data	Data presentation	Pictograms/picture graphs
		Picture graphs with scales
		Line graphs
		Column graphs/bar graphs
		Pie chart/sector graph/circle
		graph
		Solving problems using charts
Probability	Probability	Chance experiments

Grade 5

1 Numbers, Operations and Relationships

Торіс	Quests	Content
Whole numbers	Add & subtract with multiples	Adding & subtracting multiples of 100
		Adding & subtracting multiples 100, 1000, 10,000
	Multiplication facts up to 10 x 10	Multiplication facts for 6 (up to 10x)
		Multiplication facts for 7 (up to 10x)
		Multiplication facts for 8 (up to 10x)
		Multiplication facts for 9 (up to 10x)
		Recalling multiplication facts (10 x 10)
	Mult/div by multiples of 10, 100 & 1000	Multiplication using multiples of 10 & 100
		Multiplication using multiples of 1000 & 10 000
	Skip count forwards & backwards	Skip counting by 10s, 100s & 1000s
		Skip counting by 50s
		Skip counting by 25s
	Place value to millions	Place value up to 5-digit numbers
		Partitioning
		Comparing & ordering
		numbers to 5 digits
		Rounding 5-digit numbers
	Odd & even numbers	Using odd & even numbers
	Add & subtract strategies (mental)	Adding & subtracting using a bar model
		Adding & subtracting using equal adjustments
		Efficient strategies to add &
		subtract Checking accuracy of
		calculations Addition & subtraction as
		inverse operations
	Add & subtract	Addition up to 3-digit numbers
	strategies (algorithm)	- no regrouping Addition up to 3-digit numbers
		- regrouping
		Addition up to 4-digit numbers - no regrouping

	Addition up to 4-digit numbers
	- regrouping
	Addition up to 5-digit numbers
	- no regrouping
	Addition up to 5-digit numbers
	- regrouping
	Formal method to add 3 or
	more numbers (2-digits)
	Formal method to add 3 or
	more numbers (3-digits)
	Formal method to add 3 or
	more numbers (4-digits)
	Formal method to add 3 or
	more numbers (5-digits)
	Subtraction of up to 2-digit
	numbers (no exchange)
	Subtraction of up to 3-digit
	numbers (no exchange)
	Subtraction up to 4-digit
	numbers (no exchange)
	Subtraction up to 5-digit
	numbers (no exchange)
	Subtraction up to 2-digits
	(with decomposing)
	Subtraction up to 3-digits
	(with decomposing)
	Subtraction up to 4-digits
	(with decomposing)
	Subtraction up to 5-digits
	(with decomposing)
Multiplication	Multiplying: split method (3
strategies (mental)	digits by 1 digit)
	Multiplying: split method (4
	digits by 1 digit)
	Multiplying: area model (3
	digits by 1 digit)
	Multiplying: area model (4
	digits by 1 digit)
	Multiplying: area model (2
	digits by 2 digits)
	Multiplying: rounding,
	compensating & partitioning
	Multiplying using factors
	Multiplying: doubling
Multiplication	Multiplying: doubling & halving
Multiplication	Contracted multiplication (2
strategies (algorithm)	digit by 1 digit)
	Contracted multiplication (3
	digits by 1 digit)
	Contracted multiplication (4
	digits by 1 digit)
Division strategies	Dividing: partitioning
	Dividing: partitioning (3 digits
	by 1 digit)

		Dividing: subtracting partial
		products
		Dividing: area model
	Division using multiples	Dividing 2-digit multiples of 10
		Dividing 2-digit multiples of 100
		Dividing with multiples of 1000
	Division problems	Division problems- 2-digits by 1-digit
		Division problems: 3 digits by 1 digit
	Factors & multiples	Factor pairs
		Common factors
		Multiples
		Solving word problems: factors & multiples
	Commutative & associative multiplication	Commutative & associative multiplication
	Addition & subtraction word problems	Addition & subtraction with 2- step problems
	Multiplication word problems	Multiplication word problems
	Division word problems	Division word problems
Common fractions	Count by fractions &	Counting in halves & quarters
	mixed numerals	Counting in halves, quarters & eighths
		Counting in thirds
		Counting in tenths
		Counting in simple fractions on a number line
	Compare & order fractions	Comparing & ordering fractions
	Add & subtract	Add & subtract proper
	fractions	fractions - same denominator
		Add & subtract mixed
		numerals - same denominator
		Add & subtract fraction of a
		set
	Fraction of a quantity	Finding fraction of a quantity
	Calculate the whole quantity	Calculating the whole using models
	Equivalent fractions	Investigating equivalent fractions less than 1
		Investigating equivalent fractions greater than 1
		J

2 Patterns, Functions and Algebra

Торіс	Quests	Content
Numeric patterns	Number patterns:	Number patterns involving
	multiplication	multiples
		Generating multiplication
		patterns from rules
	Number patterns:	Generating addition patterns
	addition & subtraction	from a given rule
		Generating subtraction
		patterns from a given rule
		Describing addition &
		subtraction patterns
Geometric patterns	Shape patterns	Generating shape patterns
		from a given rule
Number sentences	Number sentences	Equivalent number sentences

3 Space and Shape (Geometry)

Торіс	Quests	Content
Properties of 2-D shapes	2-D shapes	Regular & irregular polygons
		Classifying triangles
		Classifying quadrilaterals
		Classifying 2-D figures in a
		hierarchy
	Angles	Introducing angles
		Classifying angles
Properties of 3-D objects	3-D shapes	Classifying prisms
		Classifying pyramids
		Nets of prisms & pyramids
		Connecting 3-D objects with
		their nets
Symmetry	Symmetry	Drawing lines of symmetry
Transformations	Rotations, translations,	Introducing transformations
	& reflections	One-step transformations
		Exploring tessellations
Exploring tessellations	Location & directions	Introducing cardinal compass
		directions
		Describing locations &
		drawing routes
		Introducing intercardinal
		compass directions

4 Measurement

Торіс	Quests	Content
Length	Length	Converting length (km & m)
		Converting length (m & mm)
		Comparing lengths
		Ordering lengths
		Recording length in mixed
		units
Mass	Mass	Measuring mass in whole
		numbers (g, kg)
		Converting units of mass (g,
		kg)
		Comparing & ordering mass
		(g, kg)
		Adding & subtracting mass
		Mass word problems
Capacity/volume	Volume & capacity	Measuring volume (ml & l)
		Converting volume & capacity
		Estimating capacity (ml & l)
		Measuring with cm ³
Time	Read time	Using 24-hour notation
		Converting units of time
		Calculating elapsed time
Temperature	Temperature	Introducing thermometers
Perimeter, surface area and volume	Perimeter	Measuring perimeter in
		centimetres
		Finding the perimeter of
		common 2-D shapes
		Finding the perimeter of
		polygons
		Calculating the perimeter of
		composite shapes
		Finding a missing side length
		given the perimeter
	Area	Area & perimeter of rectangles
		Area of a triangle
		Exploring shapes with the
		same area

5 Data Handling

Торіс	Quests	Content
Representing data	Represent data	Picture graphs with many-to- one correspondence
		Drawing line graphs & solving problems
Analysing, interpreting and reporting data	Analyse & interpret data	Interpreting data in column/bar graphs
		Using line graphs to solve problems
		Using line graphs to solve problems
		Reading & interpreting data in a dot plot
		Pie charts with simple
		percentages
		Two-way tables
		Reading & interpreting tables
Probability	Probability experiments	Investigating chance
		experiments

Grade 6

1 Numbers, Operations and Relationships

Торіс	Quests	Content
Whole numbers	Add & subtract with	Adding multiples of 10
	multiples	Adding & subtracting multiples
		of 1000
	Multiplication facts up	Multiplication facts for 6 (up to
	to 12 x 12	12x)
		Multiplication facts for 7 (up to
		12x)
		Multiplication facts for 8 (up to 12x)
		Multiplication facts for 9 (up to
		12x)
		Multiplication facts for 11 (up
		to 12x)
		Multiplication facts for 12 (up
		to 12x)
	Mult/div by multiples of	Multiplying by multiples of 10,
	10, 100 & 1000	100, 1000
		Dividing by multiples of 10,
		100, 1000
	Place value to 9 digits	Reading & writing numbers to 10 million
		Place value of 6-digit numbers Place value of numbers of any
		size
		Comparing numbers of any
		size
		Ordering numbers of any size
		Partitioning numbers of any
		size
		Non-standard partitioning 6-
		& 7-digit numbers
		Using numbers in context
		Using numbers of any size
		Rounding numbers of any size Round to estimate
	Prime & composite	Prime & composite numbers
	numbers	i nine a composite numbers
	Add & subtract	Using a bar model to add &
	strategies (mental)	subtract
		Using equal adjustments to
		subtract
		Efficient strategies to add &
		subtract
		Checking accuracy of
		calculations

 Add & autotrast	Adding numbers of surveying
Add & subtract	Adding numbers of any size
strategies (algorithm)	(no regrouping)
	Adding numbers of any size
	(with regrouping)
	Adding numbers of any size
	Subtracting numbers of any
	size (no exchange)
	Subtracting numbers of any
	size (with exchange)
Multiplication	Multiplying 2 digits by 1 digit -
strategies (algorithm)	contracted model
	Multiplying 3 digits by 1 digit -
	contracted model
	Multiplying 4 digits by 1 digit -
	contracted model
	Multiply 2 digits by 1 digit -
	expanded algorithm
	Multiply 3 digits by 1 digit -
	expanded algorithm
	Multiply 4 digits by 1 digit -
	expanded algorithm
	Multiply 2 digits by 2 digits -
	extended algorithm
	Multiply 3 digits by 2 digits -
	extended algorithm
	Multiply 4 digits by 2 digits -
	expanded algorithm Multi-digit numbers -
	expanded algorithm
Multiplication	Multiplying: split method
strategies (mental)	Multiplying: area model
strategies (mental)	Multiplying: rounding,
	compensating & partitioning
	Multiplying using factors
	Multiplying; doubling & halving
	Doubling & halving
Division strategies	Divide 2 digits by 1 digit -
(algorithm)	contracted algorithm
	Divide 3 digits by 1 digit -
	contracted algorithm
	Divide 4 digits by 1 digit -
	contracted algorithm
	Divide 2 digits by 1 digit -
	extended algorithm
	Divide 3 digits by 1 digit -
	extended algorithm
	Divide 4 digits by 1 digit -
	extended algorithm
	Divide 4 digits by 2 digits -
	extended algorithm
	Divide multi-digit numbers -
	extended algorithm
	Dividing: partitioning
	Prividing. paradoning

	Calculate amounts of	Calculating fractions of a
	fractions	quantity or amount
	Indetions	Fractions of amounts using
		bar modelling
		Dividing unit fractions by
		whole numbers, models
	Word problems with	Word problems: dividing
	fractions	whole numbers by fractions
		Word problems: non unit
		fractions
		Word problems: proper
		fractions & mixed numbers
		Fraction problems (no
		grouping symbols)
		Fraction problems (grouping
		symbols)
	Percentages	Introducing percentages
		Calculating simple
		percentages
		Calculating percentages of
		amounts
	Equivalent fractions	Multiplication & equivalent
		fractions
Decimal fractions	Decimal place value	Introducing decimal notation
		Tenths as decimals
		Introducing decimal
		hundredths
		Connecting decimal & fraction
		tenths
		Connecting decimal & fraction
		hundredths
		Connecting decimal & fraction
		tenths & hundredths
		Model decimal fractions to 2
		decimal places
	Compare & order decimals	Comparing & ordering decimal
		tenths
		Comparing & ordering decimal
		hundredths
	Add & subtract decimals	Adding decimals to
		hundredths
		Subtracting decimals to hundredths
	Multiply decimals by	Multiplying decimals by
	10, 100 & 1000	powers of 10
		Multiplying decimals by
		powers of 100
	Equivalence in fractions	Converting common fractions
	& percentages	into percentages
		Percentages as fractions &
		decimals
		Equivalence in fractions,
		decimals & percentages
		acciniais a percentages

	Solving problems relating to equivalence
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2 Patterns, Functions and Algebra

Торіс	Quests	Content
Numeric patterns	Generate numerical	Number patterns: one step
	patterns	rules
		Number patterns; two step
		rules
		Interpreting & creating table of
		values
		Decimal addition & subtraction
		patterns
Geometric patterns	Geometric patterns	Analysing geometric patterns
		Solving problems involving
		patterns
Number sentences	Number sentences	Equivalent number sentences

3 Space and Shape (Geometry)

Торіс	Quests	Content
Properties of 2-D shapes	2-D shapes	Regular & irregular polygons
		Classifying triangles
		Classifying quadrilaterals
		Classifying 2-D figures in a
		hierarchy
	Angles	Classifying angles
		Calculating angles around a
		point
		Comparing & ordering angles
Properties of 3-D objects	3-D shapes	Classifying prisms
		Classifying pyramids
		Nets of prisms & pyramids
		Connecting 3-D objects with
		their nets
Symmetry	Symmetry	Drawing lines of symmetry
Transformations	Transformations	Enlarging 2-D shapes using
		scale factors
	Patterns from rotation	Patterns from translations
Position and movement	Location & directions	Using cardinal compass
		directions

4 Measurement

Торіс	Quests	Content
Length	Length	Converting metric units of
		length
		One-step problems involving
		length
		Two-step problems involving length
Mass	Mass	Decimal representation in
		mass
		Converting between units of
		mass
		Solving multi-step problems involving mass
Capacity/volume	Capacity	Converting units of capacity
		(inc decimals)
Time	Time	Converting units of time
		Understanding elapsed time
Temperature	Temperature	Measuring temperature
Perimeter, surface area and volume	Perimeter	Perimeter on a grid
		Finding the perimeter of
		rectangles
		Finding the perimeter of
		common 2-D shapes
		Finding the perimeter of
		polygons
		Calculating perimeter of
		composite shapes
		Finding a missing side length
		given the perimeter
	Area Volume	Area formula
		Area & perimeter of rectangles
		Exploring shapes with the
		same area
		Volume of rectangular prisms
		Measuring volume

5 Data Handling

Торіс	Quests	Content
Representing data	Analyse & interpret data	Pie charts
		Histograms
		Side-by-side column graphs
Analysing, interpreting and	Central tendencies	Understanding the median
reporting data		Calculating the median
		Understanding the mean
		Calculating the mean
		Comparing measures of centre
		& variation
	Summarise & report	Evaluating statistical
	observations	questions
		Formulating a summary for
		numerical data
		Reporting observations in a
		data display
Probability	Probability experiments	Frequency in chance
		experiments
		Fairness in chance
		experiments



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