

Year 1

Block A: Counting, partitioning and calculating

Unit 1

A range of Cambridge resources can help you to implement the block and unit approach of the renewed Primary Framework for mathematics for Year 1.

**Mult-e-Maths
Toolbox**



**Talking points
with the
Mult-e-Maths
Toolbox**



**101 ways to use
the Mult-e-Maths
Toolbox at KS1**



Apex Maths 1




**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Activities
Describe ways of solving puzzles and problems, explaining choices and decisions orally or using pictures	Apex Maths 1 Activity 9 Domino seven
Count reliably at least 20 objects, recognising that when rearranged the number of objects stays the same; estimate a number of objects that can be checked by counting	The Estimating numbers of objects tool in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.1 Counting objects
Compare and order numbers, using the related vocabulary; use the equals (=) sign	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.7 Ordinal numbers N1.11 Ordering 1
Read and write numerals from 0 to 20, then beyond; use knowledge of place value to position these numbers on a number track and number line	The Number tracks , Number lines and Number grids tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.5 Numbers in words and figures 1
Say the number that is 1 more or less than any given number, and 10 more or less for multiples of 10	The Number sequences tool in the Mult-e-Maths Toolbox would be useful for this objective.
Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number or a multiple of 10 to a one-digit or two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.1 Adding as combining sets 1
Understand subtraction as 'take away' and find a 'difference' by counting up; use practical and informal written methods to support the subtraction of a one-digit number from a one-digit or two-digit number and a multiple of 10 from a two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.3 Subtracting as taking away 1
Use the vocabulary related to addition and subtraction and symbols to describe and record addition and subtraction number sentences	Talking points with the Mult-e-Maths Toolbox N1.8 Number games

End-of-year expectations for this unit are in **bold**.

Vocabulary	
<p>pattern, answer, number sentence, sign, operation, explain, show me, read, write, record, count, compare, order, the same number as, as many as, equal to, equals (=), sign, more, most, less, least, greater, greatest, larger, largest, bigger, biggest, fewer, fewest, smaller, smallest, before, after, halfway, add, plus (+), makes, sum, total, altogether, subtract, minus (-), take away, leaves, difference, one, two, three, ..., hundred; first, second, third, ...; ones, tens, 'teens' number, exchange, digit, how many ...?, how many more to make ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, what is the difference between ...?, odd, even, pair, double, near double, half, halve</p>	<p>Use <i>A Maths Dictionary for Kids</i> when discussing mathematical vocabulary for this unit.</p> 

Year 1

Block A: Counting, partitioning and calculating

Unit 2

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**Mult-e-Maths
Toolbox**



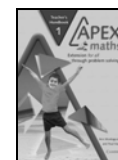
**Talking points
with the
Mult-e-Maths
Toolbox**



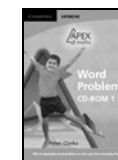
**101 ways to use
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Toolbox at KS1**



Apex Maths 1



**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Activities
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.7 Making a total 1 Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Describe ways of solving puzzles and problems, explaining choices and decisions orally or using pictures	Apex Maths 1 Activity 10 Even totals dominoes
Count reliably at least 20 objects, recognising that when rearranged the number of objects stays the same; estimate a number of objects that can be checked by counting	The Estimating numbers of objects tool in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.13 Estimating whether there are enough
Compare and order numbers, using the related vocabulary; use the equals (=) sign	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.8 Comparing numbers 1
Read and write numerals from 0 to 20, then beyond; use knowledge of place value to position these numbers on a number track and number line	The Number tracks , Number lines , Number grids tools and the Abacus in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 5 Clock numbers
Say the number that is 1 more or less than any given number, and 10 more or less for multiples of 10	The Number sequences tool in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.10 One and ten more or less
Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number or a multiple of 10 to a one-digit or two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.2 Adding on a number track
Understand subtraction as 'take away' and find a 'difference' by counting up; use practical and informal written methods to support the subtraction of a one-digit number from a one-digit or two-digit number and a multiple of 10 from a two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.4 Subtracting as difference 1
Use the vocabulary related to addition and subtraction and symbols to describe and record addition and subtraction number sentences	Apex Maths 1 Activity 7 The pirates' treasure

End-of-year expectations for this unit are in **bold**.

Vocabulary

pattern, answer, number sentence, sign, operation, explain, show me, read, write, record, count, compare, order, the same number as, as many as, equal to, equals (=), sign, more, most, less, least, greater, greatest, larger, largest, bigger, biggest, fewer, fewest, smaller, smallest, before, after, halfway, add, plus (+), makes, sum, total, altogether, subtract, minus (-), take away, leaves, difference, one, two, three, ..., hundred; first, second, third, ...; ones, tens, 'teens' number, exchange, digit, how many ...?, how many more to make ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, what is the difference between ...?, odd, even, pair, double, near double, half, halve

Use *A Maths Dictionary for Kids* when discussing mathematical vocabulary for this unit.



Year 1

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Unit 3

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Apex Maths 1



**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Activities
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. Talking points with the Mult-e-Maths Toolbox N1.7 Shopping Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Describe ways of solving puzzles and problems, explaining choices and decisions orally or using pictures	101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.1 Number stories 1
Compare and order numbers, using the related vocabulary; use the equals (=) sign	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. Talking points with the Mult-e-Maths Toolbox N1.3 How many more? 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.9 Ordinal numbers and comparing
Read and write numerals from 0 to 20, then beyond; use knowledge of place value to position these numbers on a number track and number line	The Number tracks , Number lines , Number grids tools and the Abacus in the Mult-e-Maths Toolbox would be useful for this objective.
Say the number that is 1 more or less than any given number, and 10 more or less for multiples of 10	The Number sequences tool in the Mult-e-Maths Toolbox would be useful for this objective.
Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number or a multiple of 10 to a one-digit or two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.8 Partitioning into '5 and a bit' Apex Maths 1 Activity 8 Domino worms
Understand subtraction as 'take away' and find a 'difference' by counting up; use practical and informal written methods to support the subtraction of a one-digit number from a one-digit or two-digit number and a multiple of 10 from a two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.10 Adding and subtracting 10
Use the vocabulary related to addition and subtraction and symbols to describe and record addition and subtraction number sentences	The Symbol pad in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 12 Packets of sweets

End-of-year expectations for this unit are in **bold**.

Vocabulary

pattern, answer, number sentence, sign, operation, explain, show me, read, write, record, count, compare, order, the same number as, as many as, equal to, equals (=), sign, more, most, less, least, greater, greatest, larger, largest, bigger, biggest, fewer, fewest, smaller, smallest, before, after, halfway, add, plus (+), makes, sum, total, altogether, subtract, minus (-), take away, leaves, difference, one, two, three, ..., hundred; first, second, third, ...; ones, tens, 'teens' number, exchange, digit, how many ...?, how many more to make ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, what is the difference between ...?, odd, even, pair, double, near double, half, halve

Use *A Maths Dictionary for Kids* when discussing mathematical vocabulary for this unit.



Year 1

Block B: Securing number facts, understanding shape

Unit 1

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Mult-e-Maths
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Talking points
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101 ways to use
the Mult-e-Maths
Toolbox at KS1



Apex Maths 1




Apex Maths
Word Problems
CD-ROM 1



Objectives for this unit	Activities
Describe simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions	The Arithmagons in the Solving problems toolbox in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.2 Difference arithmagons
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.8 Doubling problem 1 Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Count reliably at least 20 objects, recognising that when rearranged the number of objects stays the same; estimate a number of objects that can be checked by counting	The Estimating numbers of objects tool in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.12 Estimating numbers of objects 1 Apex Maths 1 Activity 2 Cube animals
Read and write numerals from 0 to 20, then beyond; use knowledge of place value to position these numbers on a number track and number line	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.6 Partitioning 1
Say the number that is 1 more or less than any given number, and 10 more or less for multiples of 10	The Number sequences tool in the Mult-e-Maths Toolbox would be useful for this objective.
Derive and recall all pairs of numbers with a total of 10 and addition facts for totals to at least 5; work out the corresponding subtraction facts	The Number grid and the Function machine tools in the Mult-e-Maths Toolbox would be useful for this objective.
Visualise and name common 2-D shapes and 3-D solids and describe their features; use them to make patterns, pictures and models	The 2-D shapes in the Shape and space toolbox in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SS1.1 2-D shapes 1

End-of-year expectations for this unit are in **bold**.

Vocabulary	
<p>problem, answer, method, number sentence, sign, operation, explain, read, write, record, count, compare, order, estimate, predict, pattern, repeating pattern, sort, property, set, group, zero, one, two, three, ..., hundred; first, second, third, ...; ones, tens, 'teens' number, exchange, digit, count to, count on/back to/from, count up to/from, the same number as, as many as, equal to, equals (=), sign, more, less, before, after, halfway, nearly, roughly, add, plus (+), makes, sum, total, altogether, subtract, minus (-), take away, leaves, difference, double, halve, half, how many ...?, how many more to make ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, what is the difference between ...?, shape, make, build, draw, curved, straight, hollow, solid, flat, side, corner, point, face, edge, cube, cuboid, pyramid, cone, cylinder, sphere, triangle, circle, rectangle, square</p>	<p>Use <i>A Maths Dictionary for Kids</i> when discussing mathematical vocabulary for this unit.</p> 

Year 1

Block B: Securing number facts, understanding shape

Unit 2

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**Mult-e-Maths
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**Talking points
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**101 ways to use
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Apex Maths 1




**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Resources and activities
Describe simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions	101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.3 Changing orders Apex Maths 1 Activity 29 Tangrams
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.10 Spending an exact amount 1
Say the number that is 1 more or less than any given number, and 10 more or less for multiples of 10	The Number sequences tool in the Mult-e-Maths Toolbox would be useful for this objective.
Derive and recall all pairs of numbers with a total of 10 and addition facts for totals to at least 5; work out the corresponding subtraction facts	101 ways to use the Mult-e-Maths Toolbox at KS1 CF1.1 Totals to 10
Recall the doubles of all numbers to at least 10	The Function machine tool in the Mult-e-Maths Toolbox would be useful for this objective.
Visualise and name common 2-D shapes and 3-D solids and describe their features; use them to make patterns, pictures and models	The 2-D shapes in the Shape and space toolbox in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SS1.4 3-D shape pictures

End-of-year expectations for this unit are in **bold**.

Vocabulary	
problem, answer, method, number sentence, sign, operation, explain, read, write, record, count, compare, order, estimate, predict, pattern, repeating pattern, sort, property, set, group, zero, one, two, three, ..., hundred; first, second, third, ...; ones, tens, 'teens' number, exchange, digit, count to, count on/back to/from, count up to/from, the same number as, as many as, equal to, equals (=), sign, more, less, before, after, halfway, nearly, roughly, add, plus (+), makes, sum, total, altogether, subtract, minus (-), take away, leaves, difference, double, halve, half, how many ...?, how many more to make ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, what is the difference between ...?, shape, make, build, draw, curved, straight, hollow, solid, flat, side, corner, point, face, edge, cube, cuboid, pyramid, cone, cylinder, sphere, triangle, circle, rectangle, square	Use A Maths Dictionary for Kids when discussing mathematical vocabulary for this unit. 

Year 1

Block B: Securing number facts, understanding shape

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Mult-e-Maths
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101 ways to use
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Apex Maths 1




Apex Maths
Word Problems
CD-ROM 1



Objectives for this unit	Activities
Describe simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions	The Arithmagons in the Solving problems toolbox in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 PS1. Odd shape out
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Derive and recall all pairs of numbers with a total of 10 and addition facts for totals to at least 5; work out the corresponding subtraction facts	Talking points with the Mult-e-Maths Toolbox N1.5 Make 10
Recall the doubles of all numbers to at least 10	The Function machine tool in the Mult-e-Maths Toolbox would be useful for this objective.
Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number or a multiple of 10 to a one-digit or two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.9 Near doubles 1
Understand subtraction as 'take away' and find a 'difference' by counting up; use practical and informal written methods to support the subtraction of a one-digit number from a one-digit or two-digit number and a multiple of 10 from a two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 20 Domino differences
Use the vocabulary related to addition and subtraction and symbols to describe and record addition and subtraction number sentences	The Symbol pad in the Mult-e-Maths Toolbox would be useful for this objective.
Visualise and name common 2-D shapes and 3-D solids and describe their features; use them to make patterns, pictures and models	The 2-D shapes in the Shape and space toolbox in the Mult-e-Maths Toolbox would be useful for this objective.
Use diagrams to sort objects into groups according to a given criterion; suggest a different criterion for grouping the same objects	The Venn and Carroll diagrams in the Mult-e-Maths Toolbox would be useful for this objective.

End-of-year expectations for this unit are in **bold**.

Vocabulary	
<p>problem, answer, method, number sentence, sign, operation, explain, read, write, record, count, compare, order, estimate, predict, pattern, repeating pattern, sort, property, set, group, zero, one, two, three, ..., hundred; first, second, third, ...; ones, tens, 'teens' number, exchange, digit, count to, count on/back to/from, count up to/from, the same number as, as many as, equal to, equals (=), sign, more, less, before, after, halfway, nearly, roughly, add, plus (+), makes, sum, total, altogether, subtract, minus (-), take away, leaves, difference, double, halve, half, how many ...?, how many more to make ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, what is the difference between ...?, shape, make, build, draw, curved, straight, hollow, solid, flat, side, corner, point, face, edge, cube, cuboid, pyramid, cone, cylinder, sphere, triangle, circle, rectangle, square</p>	<p>Use <i>A Maths Dictionary for Kids</i> when discussing mathematical vocabulary for this unit.</p> 

Year 1

Block C: Handling data and measures

Unit 1

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**Mult-e-Maths
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**Talking points
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**101 ways to use
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Apex Maths 1




**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Resources and activities
Answer a question by selecting and using suitable equipment, and sorting information, shapes or objects; display results using tables and pictures	101 ways to use the Mult-e-Maths Toolbox at KS1 PP1.1 Creating a table
Describe ways of solving puzzles and problems, explaining choices and decisions orally or using pictures	Apex Maths 1 Activity 3 Two and threes
Answer a question by recording information in lists and tables; present outcomes using practical resources, pictures, block graphs or pictograms	The Handling data toolbox in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 23 Balloon add and subtract
Use diagrams to sort objects into groups according to a given criterion; suggest a different criterion for grouping the same objects	The Venn and Carroll diagrams in the Mult-e-Maths Toolbox would be useful for this objective. Talking points with the Mult-e-Maths Toolbox D1.1 The same and different
Estimate, measure, weigh and compare objects, choosing and using suitable uniform non-standard or standard units and measuring instruments (e.g. a lever balance, metre stick or measuring jug)	The Image bank and the Square background grid in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SM1.1 Comparing lengths

End-of-year expectations for this unit are in **bold**.

Vocabulary	
problem, question, explain, predict, pattern, collect, organise, compare, order, sort, group, same, different, property, represent, interpret, count, tally, vote, measure, weigh, guess, information, graph, block graph, pictogram, diagram, list, table, label, title, zero, one, two, three, ..., twenty; first, second, third, ...; more/less, most/least, most/least popular, most/least common, about the same as, enough, not enough, too much, too little, too many, too few, nearly, roughly, about, close to, just over, just under, half way, how many ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, unit, centimetre (cm), metre (m), ruler, metre stick, tape measure, balance, scales, container, measuring jug, capacity, weight, length, width, height, depth, size, long, short, tall, high, low, wide, narrow, deep, shallow, thick, thin, and comparatives such as longer/longest, heavier/heaviest, holds more/holds most	Use A Maths Dictionary for Kids when discussing mathematical vocabulary for this unit. 

Year 1

Block C: Handling data and measures

Unit 2

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Apex Maths 1




**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Resources and activities
Answer a question by selecting and using suitable equipment, and sorting information, shapes or objects; display results using tables and pictures	Apex Maths 1 Activity 4 Teddy order
Describe ways of solving puzzles and problems, explaining choices and decisions orally or using pictures	Apex Maths 1 Activity 25 Sweet shop
Answer a question by recording information in lists and tables; present outcomes using practical resources, pictures, block graphs or pictograms	The Handling data toolbox in the Mult-e-Maths Toolbox would be useful for this objective.
Use diagrams to sort objects into groups according to a given criterion; suggest a different criterion for grouping the same objects	The Venn and Carroll diagrams in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 27 Logical sorting
Estimate, measure, weigh and compare objects, choosing and using suitable uniform non-standard or standard units and measuring instruments (e.g. a lever balance, metre stick or measuring jug)	The Image bank and the Square background grid in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SM1.3 Measuring using a square grid

End-of-year expectations for this unit are in **bold**.

Vocabulary	
problem, question, explain, predict, pattern, collect, organise, compare, order, sort, group, same, different, property, represent, interpret, count, tally, vote, measure, weigh, guess, information, graph, block graph, pictogram, diagram, list, table, label, title, zero, one, two, three, ..., twenty; first, second, third, ...; more/less, most/least, most/least popular, most/least common, about the same as, enough, not enough, too much, too little, too many, too few, nearly, roughly, about, close to, just over, just under, half way, how many ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, unit, centimetre (cm), metre (m), ruler, metre stick, tape measure, balance, scales, container, measuring jug, capacity, weight, length, width, height, depth, size, long, short, tall, high, low, wide, narrow, deep, shallow, thick, thin, and comparatives such as longer/longest, heavier/heaviest, holds more/holds most	Use A Maths Dictionary for Kids when discussing mathematical vocabulary for this unit. 

Year 1

Block C: Handling data and measures

Unit 3

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Apex Maths 1




**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Resources and activities
Answer a question by selecting and using suitable equipment, and sorting information, shapes or objects; display results using tables and pictures	Apex Maths 1 Activity 14 Three dice toss
Describe ways of solving puzzles and problems, explaining choices and decisions orally or using pictures	Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Answer a question by recording information in lists and tables; present outcomes using practical resources, pictures, block graphs or pictograms	The Handling data tools in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 17 Animal magic 2
Use diagrams to sort objects into groups according to a given criterion; suggest a different criterion for grouping the same objects	The Venn and Carroll diagrams in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 28 Logical boxes
Estimate, measure, weigh and compare objects, choosing and using suitable uniform non-standard or standard units and measuring instruments (e.g. a lever balance, metre stick or measuring jug)	The Image bank and the Square background grid in the Mult-e-Maths Toolbox would be useful for this objective. Talking points with the Mult-e-Maths Toolbox S1.2 Length

End-of-year expectations for this unit are in **bold**.

Vocabulary	
<p>problem, question, explain, predict, pattern, collect, organise, compare, order, sort, group, same, different, property, represent, interpret, count, tally, vote, measure, weigh, guess, information, graph, block graph, pictogram, diagram, list, table, label, title, zero, one, two, three, ..., twenty; first, second, third, ...; more/less, most/least, most/least popular, most/least common, about the same as, enough, not enough, too much, too little, too many, too few, nearly, roughly, about, close to, just over, just under, half way, how many ...?, how many more is ... than ...?, how much more is ...?, how many fewer is ... than ...?, how much less is ...?, unit, centimetre (cm), metre (m), ruler, metre stick, tape measure, balance, scales, container, measuring jug, capacity, weight, length, width, height, depth, size, long, short, tall, high, low, wide, narrow, deep, shallow, thick, thin, and comparatives such as longer/longest, heavier/heaviest, holds more/holds most</p>	<p>Use A Maths Dictionary for Kids when discussing mathematical vocabulary for this unit.</p> 

Year 1

Block D: Calculating, measuring and understanding shape

Unit 1

A range of Cambridge resources can help you to implement the block and unit approach of the renewed Primary Framework for mathematics for Year 1.

**Mult-e-Maths
Toolbox**



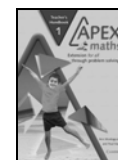
**Talking points
with the
Mult-e-Maths
Toolbox**



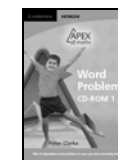
**101 ways to use
the Mult-e-Maths
Toolbox at KS1**



Apex Maths 1




**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Resources and activities
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.9 Combining lengths Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Count reliably at least 20 objects, recognising that when rearranged the number of objects stays the same; estimate a number of objects that can be checked by counting	The Estimating numbers of objects tool in the Mult-e-Maths Toolbox would be useful for this objective. Talking points with the Mult-e-Maths Toolbox N1.1 Counting rhymes
Estimate, measure, weigh and compare objects, choosing and using suitable uniform non-standard or standard units and measuring instruments (e.g. a lever balance, metre stick or measuring jug)	The Image bank and the Square background grid in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SM1.2 Measuring using objects
Use vocabulary related to time; order days of the week and months; read the time to the hour and half hour	The Calendar in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SM1.4 Days of the week
Visualise and use everyday language to describe the position of objects and direction and distance when moving them, for example when placing or moving objects on a game board	The Game boards in the Solving problems toolbox in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SS1.5 Describing positions 1

End-of-year expectations for this unit are in **bold**.

Vocabulary	
problem, method, number sentence, explain, record, compare, order, measure, weigh, count, guess, estimate, roughly, enough, not enough, too much, too little, too many, too few, more, less, the same number as, equals (=), add, plus (+), sum, total, altogether, subtract, minus (-), take away, difference, double, halve, half, quarter, how many ...?, how much ...?, money, coin, pence, penny, pound, pay, change, buy, sell, price, spend, long, longer, longest, short, shorter, shortest, tall, taller, tallest, light, lighter, lightest, heavy, heavier, heaviest, holds more, holds less, ruler, tape measure, metre stick, balance, scales, measuring jug, time, clock, hands, morning, afternoon, evening, midnight, mid-day, noon, hour, night, day, week, month, year, days of the week, months and seasons of the year, position, direction, grid, outside, inside, beside, next to, front, back, between, centre, underneath, above, on top of, below, halfway, near, far, whole turn, half turn, quarter turn, right, left	Use A Maths Dictionary for Kids when discussing mathematical vocabulary for this unit. 

A range of Cambridge resources can help you to implement the block and unit approach of the renewed Primary Framework for mathematics for Year 1.

**Mult-e-Maths
Toolbox**



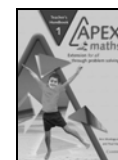
**Talking points
with the
Mult-e-Maths
Toolbox**



**101 ways to use
the Mult-e-Maths
Toolbox at KS1**



Apex Maths 1



**Apex Maths
Word Problems
CD-ROM 1**



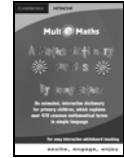
Objectives for this unit	Resources and activities
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. Talking points with the Mult-e-Maths Toolbox N1.6 Number bonds Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number or a multiple of 10 to a one-digit or two-digit number	The Number tracks and Number lines in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.7 Adding three numbers 1 Apex Maths 1 Activity 15 Three jumps
Understand subtraction as 'take away' and find a 'difference' by counting up; use practical and informal written methods to support the subtraction of a one-digit number from a one-digit or two-digit number and a multiple of 10 from a two-digit number	The Number tracks and Number lines in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.5 How many more to make?
Estimate, measure, weigh and compare objects, choosing and using suitable uniform non-standard or standard units and measuring instruments (e.g. a lever balance, metre stick or measuring jug)	The Square background grid and Image bank in the Mult-e-Maths Toolbox would be useful for this objective.
Use vocabulary related to time; order days of the week and months; read the time to the hour and half hour	The Clocks in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SM1.5 Hours later and earlier
Identify objects that turn about a point (e.g. scissors) or about a line (e.g. a door); recognise and make whole, half and quarter turns	The Square background grid and Image bank in the Mult-e-Maths Toolbox would be useful for this objective.
Visualise and use everyday language to describe the position of objects and direction and distance when moving them, for example when placing or moving objects on a game board	The Game boards in the Solving problems toolbox in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 26 Zoo time

End-of-year expectations for this unit are in **bold**.

Vocabulary

problem, method, number sentence, explain, record, compare, order, measure, weigh, count, guess, estimate, roughly, enough, not enough, too much, too little, too many, too few, more, less, the same number as, equals (=), add, plus (+), sum, total, altogether, subtract, minus (-), take away, difference, double, halve, half, quarter, how many ...?, how much ...?, money, coin, pence, penny, pound, pay, change, buy, sell, price, spend, long, longer, longest, short, shorter, shortest, tall, taller, tallest, light, lighter, lightest, heavy, heavier, heaviest, holds more, holds less, ruler, tape measure, metre stick, balance, scales, measuring jug, time, clock, hands, morning, afternoon, evening, midnight, mid-day, noon, hour, night, day, week, month, year, days of the week, months and seasons of the year, position, direction, grid, outside, inside, beside, next to, front, back, between, centre, underneath, above, on top of, below, halfway, near, far, whole turn, half turn, quarter turn, right, left

Use ***A Maths Dictionary for Kids*** when discussing mathematical vocabulary for this unit.



A range of Cambridge resources can help you to implement the block and unit approach of the renewed Primary Framework for mathematics for Year 1.

**Mult-e-Maths
Toolbox**



**Talking points
with the
Mult-e-Maths
Toolbox**



**101 ways to use
the Mult-e-Maths
Toolbox at KS1**



Apex Maths 1



**Apex Maths
Word Problems
CD-ROM 1**



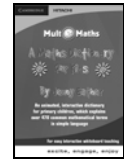
Objectives for this unit	Resources and activities
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 11 Dice roll Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Relate addition to counting on; recognise that addition can be done in any order; use practical and informal written methods to support the addition of a one-digit number or a multiple of 10 to a one-digit or two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. Talking points with the Mult-e-Maths Toolbox N1.2 Counting on 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.3 Subtracting as taking away 1
Understand subtraction as 'take away' and find a 'difference' by counting up; use practical and informal written methods to support the subtraction of a one-digit number from a one-digit or two-digit number and a multiple of 10 from a two-digit number	The Number tracks and Number lines tools in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 19 Subtracting
Estimate, measure, weigh and compare objects, choosing and using suitable uniform non-standard or standard units and measuring instruments (e.g. a lever balance, metre stick or measuring jug)	The Square background grid and Image bank in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 21 Wiggly worms
Use vocabulary related to time; order days of the week and months; read the time to the hour and half hour	The Clocks and Calendar in the Mult-e-Maths Toolbox would be useful for this objective.
Identify objects that turn about a point (e.g. scissors) or about a line (e.g. a door); recognise and make whole, half and quarter turns	The Square background grid , Clocks and Image bank in the Mult-e-Maths Toolbox would be useful for this objective.
Visualise and use everyday language to describe the position of objects and direction and distance when moving them, for example when placing or moving objects on a game board	The Game boards in the Solving problems toolbox in the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 29 Tangrams

End-of-year expectations for this unit are in **bold**.

Vocabulary

problem, method, number sentence, explain, record, compare, order, measure, weigh, count, guess, estimate, roughly, enough, not enough, too much, too little, too many, too few, more, less, the same number as, equals (=), add, plus (+), sum, total, altogether, subtract, minus (-), take away, difference, double, halve, half, quarter, how many ...?, how much ...?, money, coin, pence, penny, pound, pay, change, buy, sell, price, spend, long, longer, longest, short, shorter, shortest, tall, taller, tallest, light, lighter, lightest, heavy, heavier, heaviest, holds more, holds less, ruler, tape measure, metre stick, balance, scales, measuring jug, time, clock, hands, morning, afternoon, evening, midnight, mid-day, noon, hour, night, day, week, month, year, days of the week, months and seasons of the year, position, direction, grid, outside, inside, beside, next to, front, back, between, centre, underneath, above, on top of, below, halfway, near, far, whole turn, half turn, quarter turn, right, left

Use ***A Maths Dictionary for Kids*** when discussing mathematical vocabulary for this unit.



Year 1

Block E: Securing number facts, relationships and calculating

Unit 1

A range of Cambridge resources can help you to implement the block and unit approach of the renewed Primary Framework for mathematics for Year 1.

**Mult-e-Maths
Toolbox**



**Talking points
with the
Mult-e-Maths
Toolbox**



**101 ways to use
the Mult-e-Maths
Toolbox at KS1**



Apex Maths 1




**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Activities
Describe a puzzle or problem using numbers, practical materials and diagrams; use these to solve the problem and set the solution in the original context	101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.1 Number stories 1
Use the vocabulary related to addition and subtraction and symbols to describe and record addition and subtraction number sentences	The Symbol pad in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.6 Finding missing numbers 1 Apex Maths 1 Activity 22 Odd and even subtraction
Count on or back in ones, twos, fives and tens and use this knowledge to derive the multiples of 2, 5 and 10 to the tenth multiple	The Number tracks and Number lines in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.2 Counting in equal steps
Recall the doubles of all numbers to at least 10	The Function machine in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CF1.3 Doubles
Use the vocabulary of halves and quarters in context	The Fractions of circles/squares tool, the Square background grid and the Image bank in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 SS1.6 Turns 1

End-of-year expectations for this unit are in **bold**.

Vocabulary	
problem, solution, calculate, calculation, number sentence, answer, method, explain, pattern, order, count, count up to, count on from, count on to, count in ones, twos, fives, tens, odd, even, compare, more, less, how many more/less?, add, subtract, double, group, groups of, share, sum, total, altogether, difference, plus (+), minus (-), equals (=), fraction, half, halfway between, halve, quarter, whole	Use A Maths Dictionary for Kids when discussing mathematical vocabulary for this unit. 

Year 1

Block E: Securing number facts, relationships and calculating

Unit 2

A range of Cambridge resources can help you to implement the block and unit approach of the renewed Primary Framework for mathematics for Year 1.

Mult-e-Maths
Toolbox



Talking points
with the
Mult-e-Maths
Toolbox



101 ways to use
the Mult-e-Maths
Toolbox at KS1



Apex Maths 1




Apex Maths
Word Problems
CD-ROM 1



Objectives for this unit	Activities
Describe a puzzle or problem using numbers, practical materials and diagrams; use these to solve the problem and set the solution in the original context	Apex Maths 1 Activity 16 Birds' nests
Solve problems involving counting, adding, subtracting, doubling or halving in the context of numbers, measures or money, for example to 'pay' and 'give change'	The Money category in the Image bank of the Mult-e-Maths Toolbox would be useful for this objective. Apex Maths 1 Activity 24 Toffee apples Create addition and/or subtraction problems based on real life or money using Apex Maths Word Problems CD-ROM 1 .
Use the vocabulary related to addition and subtraction and symbols to describe and record addition and subtraction number sentences	The Symbol pad in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 CA1.12 Patterns of calculations 1
Count on or back in ones, twos, fives and tens and use this knowledge to derive the multiples of 2, 5 and 10 to the tenth multiple	The Number tracks and Number lines in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.3 Number sequences 1
Solve practical problems that involve combining groups of 2, 5 or 10, or sharing into equal groups	The Image bank in the Mult-e-Maths Toolbox would be useful for this objective.
Recall the doubles of all numbers to at least 10	The Function machine in the Mult-e-Maths Toolbox would be useful for this objective.
Use the vocabulary of halves and quarters in context	The Fractions of circles/ squares tool, the Square background grid and the Image bank in the Mult-e-Maths Toolbox would be useful for this objective.

End-of-year expectations for this unit are in **bold**.

Vocabulary	
problem, solution, calculate, calculation, number sentence, answer, method, explain, pattern, order, count, count up to, count on from, count on to, count in ones, twos, fives, tens, odd, even, compare, more, less, how many more/less?, add, subtract, double, group, groups of, share, sum, total, altogether, difference, plus (+), minus (-), equals (=), fraction, half, halfway between, halve, quarter, whole	Use A Maths Dictionary for Kids when discussing mathematical vocabulary for this unit. 

Year 1

Block E: Securing number facts, relationships and calculating

Unit 3

A range of Cambridge resources can help you to implement the block and unit approach of the renewed Primary Framework for mathematics for Year 1.

**Mult-e-Maths
Toolbox**



**Talking points
with the
Mult-e-Maths
Toolbox**



**101 ways to use
the Mult-e-Maths
Toolbox at KS1**



Apex Maths 1



**Apex Maths
Word Problems
CD-ROM 1**



Objectives for this unit	Activities
Describe a puzzle or problem using numbers, practical materials and diagrams; use these to solve the problem and set the solution in the original context	101 ways to use the Mult-e-Maths Toolbox at KS1 PS1.5 Odd or even?
Describe simple patterns and relationships involving numbers or shapes; decide whether examples satisfy given conditions	Talking points with the Mult-e-Maths Toolbox N1.4 Adding up coins Apex Maths 1 Activity 6 What's my number?
Count on or back in ones, twos, fives and tens and use this knowledge to derive the multiples of 2, 5 and 10 to the tenth multiple	The Number tracks and Number lines in the Mult-e-Maths Toolbox would be useful for this objective. 101 ways to use the Mult-e-Maths Toolbox at KS1 N1.4 Odd and even numbers 1
Solve practical problems that involve combining groups of 2, 5 or 10, or sharing into equal groups	The Image bank in the Mult-e-Maths Toolbox would be useful for this objective.
Recall the doubles of all numbers to at least 10	The Function machine in the Mult-e-Maths Toolbox would be useful for this objective.
Use the vocabulary of halves and quarters in context	The Fraction of circles/squares tool, the Square background grid and Image bank in the Mult-e-Maths Toolbox would be useful for this objective.

End-of-year expectations for this unit are in **bold**.

Vocabulary	
<p>problem, solution, calculate, calculation, number sentence, answer, method, explain, pattern, order, count, count up to, count on from, count on to, count in ones, twos, fives, tens, odd, even, compare, more, less, how many more/less?, add, subtract, double, group, groups of, share, sum, total, altogether, difference, plus (+), minus (-), equals (=), fraction, half, halfway between, halve, quarter, whole</p>	<p>Use A Maths Dictionary for Kids when discussing mathematical vocabulary for this unit.</p> 