

Number: Place Value (Within 10)

- Sort Objects,
- Count Objects,
- Represent Objects,
- Count, read and write forwards and backwards from 0 to 10
- Count one more
- Count one less
- One-to-one correspondence to start to compare groups
- Compare groups using language equal, more/ greater, less/ fewer
- Introduce $<$, $>$ and $=$ symbols
- Compare numbers
- Order groups of objects
- Order numbers
- Ordinal numbers
- The number line

Addition/ Subtraction (Within 10)

- Part-whole model
- Addition symbol
- Fact families- Addition facts
- Find number bonds for numbers within 10
- Systematic methods for number bonds within 10
- Number bonds to 10
- Compare number bonds
- Addition- adding together
- Addition- adding more
- Finding a part
- Subtraction- taking away, how many left? Crossing out





YEAR 1

Autumn Term

Addition/ Subtraction (Within 10)

- Subtraction- taking away, how many left? Introducing the subtraction symbol
- Subtraction- finding a part, breaking part
- Fact families- the 8 facts
- Subtraction- counting back
- Subtraction- finding the difference
- Comparing addition and subtraction statements $a + b > c$
- Comparing addition and subtraction statements $a + b > c + d$

Geometry: Shapes

- Recognise and name 3-D shapes
- Sort 3-D shapes
- Recognise and name 2-D shapes
- Sort 2-D shapes
- Patterns with 3-D and 2-D shapes

Number: Place Value (Within 20)

- Count forwards and backwards and write numbers to 20 in numerals and words
- Numbers from 11 to 20
- Tens and ones
- Count one more and one less
- Compare and order groups of objects
- Compare and order numbers

Number: Place Value

- Counting forwards and backwards within 20
- Tens and ones within 20
- Counting forwards and backwards within 50
- Tens and ones within 50
- Compare numbers within 50
- Count objects to 100 and read and write numbers in numerals and words
- Represent numbers to 100
- Tens and ones with a part-whole model
- Tens and ones using addition
- Use a place value chart
- Compare objects
- Compare numbers
- Order objects and numbers
- Count in 2s/ 5s/ 10s and 3s

Addition and Subtraction

- Fact families- addition and subtraction bonds to 20
- Check calculations
- Compare number sentences
- Related facts
- Bonds to 100 (tens)
- Add and subtract 1s
- 10 more and 10 less
- Add and subtract 10s
- Add by making 10
- Add a 2-digit and 1-digit number- crossing ten
- Subtraction- crossing 10



Addition and Subtraction

- Subtract a 1-digit number from a 2-digit number- crossing ten
- Add two 2-digit numbers- not crossing ten- add ones and add tens
- Add two 2-digit numbers- crossing ten- add ones and add tens
- Subtract a 2-digit number from a 2-digit number- not crossing ten
- Subtract a 2-digit number from a 2-digit number- crossing ten- subtract ones and tens
- Find and make number bonds
- Bonds to 100 (tens and ones)
- Add three 1-digit numbers

Money

- Recognising coins and notes
- Count money- pence
- Count money- pounds (notes and coins)
- Count money- notes and coins
- Select money
- Make the same amount
- Compare money
- Find the total
- Find the difference
- Find change
- Two-step problems



YEAR 2

Autumn Term

Multiplication and Division


- Make equal groups
- Add equal groups
- Make arrays

To be continued in Spring Term

Number: Place Value

- Represent numbers to 100
- Tens and ones using addition
- Hundreds
- Represent numbers to 1,000
- 100s, 10s and 1s (1)
- 100s, 10s and 1s (2)
- Number line to 1000
- Find 1, 10, 100 more or less than a given number
- Compare objects to 1,000
- Compare numbers to 1,000
- Order numbers
- Count in 50s

Addition and Subtraction

- Add and subtract multiples of 100
 - Add and subtract 1s
 - Add and subtract 3-digit and 1-digit numbers- not crossing 10
 - Add a 2-digit and 1-digit number- crossing 10
 - Add 3-digit and 1-digit numbers- crossing 10
 - Subtract a 1-digit number from 2-digits- crossing 10
 - Subtract a 1-digit number from a 3-digit number- crossing 10
 - Add and subtract 3-digit and 2-digit numbers- not crossing 100
 - Add 3-digit and 2-digit numbers- crossing 100
 - Subtract a 2-digit number from a 3-digit number- crossing 100
 - Add and subtract 100s
 - Spot the pattern- making it explicit
 - Add two 2-digit numbers- crossing 10- add ones and add tens
 - Subtract a 2-digit number from a 2-digit number- crossing 10
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Addition and Subtraction

- Add and subtract a 2-digit and 3-digit numbers- not crossing 10 or 100
- Add a 2-digit and 3-digit number- crossing 10 or 100
- Subtract a 2-digit number from a 3-digit number- crossing 10 or 100
- Add two 3-digit numbers- not crossing 10 or 100
- Add two 3-digit numbers- crossing 10 or 100
- Subtract a 3-digit number from a 3-digit number- no exchange
- Subtract a 3-digit number from a 3-digit number- exchange
- Estimate answers to calculations
- Check answers

Multiplication and Division

- Multiplication- equal groups
- Multiplication- using the symbol
- Using arrays
- 2 times-table
- 5 times-table
- Make equal groups- sharing
- Make equal groups- grouping
- Divide by 2
- Divide by 5
- Divide by 10
- Multiply by 3
- Divide by 3
- The 3 times table
- Multiply by 4





YEAR 3

Autumn Term

Multiplication and Division

- Divide by 4
- The 4 times table
- Multiply by 8
- Divide by 8
- The 8 times table

Number: Place Value

- Represent numbers to 1,000
- 100s, 10s and 1s
- Number line to 1,000
- Round to nearest 10, 100 and 1,000
- Count in 1,000s
- 1,000s, 100s, 10s, and 1s
- Partitioning
- Number line to 10,000
- Find 1, 10, 100 more or less
- 1,000 more or less
- Compare numbers
- Order numbers
- Count in 25s
- Negative numbers
- Roman numerals to 100

Addition and Subtraction

- Add and subtract 1s, 10s, 100s and 1,000s
- Add two 3-digit numbers- not crossing 10 or 100
- Add two 4-digit numbers- no exchange
- Add two 3-digit numbers- crossing 10 or 100
- Add two 4-digit numbers- one exchange
- Add two 4-digit numbers- more than one exchange
- Subtract a 3-digit number from a 3-digit number- no exchange
- Subtract two 4-digit numbers- no exchange
- Subtract two 4-digit numbers- more than one exchange
- Efficient subtraction
- Estimate answers
- Checking strategies

Measurement: Length & Perimeter

- Equivalent lengths- m and cm
- Equivalent lengths- mm and cm
- Kilometers
- Add lengths
- Subtract lengths
- Measure perimeter
- Perimeter on a grid
- Perimeter of a rectangle
- Perimeter of rectilinear shapes

Multiplication and Division

- Multiply by 10
- Multiply by 100
- Divide by 10
- Divide by 100
- Multiply by 1 and 0
- Divide by 1 and itself
- Multiply and divide by 3
- The 3 times-table
- Multiply and divide by 6
- 6 times table and division facts
- Multiply and divide by 9
- 9 times table and division facts
- Multiply and divide by 7
- 7 times table and division facts

Number: Place Value

- 1,000s, 100s, 10s and 1s
- Numbers to 10,000
- Round to the nearest 10, 100 and 1,000
- Numbers to 100,000
- Compare and order numbers to 100,000
- Round numbers within 100,000
- Numbers to a million
- Counting in 10s, 100s, 1,000s, 10,000s and 100,000
- Compare and order numbers to one million
- Round numbers to one million
- Negative numbers
- Roman numerals to 1,000

Addition and Subtraction

- Add two 4-digit numbers- one exchange
- Add two 4-digit numbers- more than one exchange
- Add whole numbers with more than 4 digits (column method)
- Subtract two 4-digit numbers- no exchange
- Subtract two 4-digit numbers- more than one exchange
- Subtract whole numbers with more than 4 digits (column method)
- Round to estimate and approximate
- Inverse operations (addition and subtraction)
- Multi-step addition and subtraction problems

Statistics

- Interpret charts
- Comparison, sum and difference
- Introduce line graphs
- Read and interpret line graphs
- Draw line graphs
- Use line graphs to solve problems
- Read and interpret tables
- Two-way tables
- Timetables

Multiplication and Division

- Multiples
- Factors
- Common factors
- Prime numbers
- Square numbers
- Cube numbers
- Multiply by 10, 100 and 1,000
- Divide by 10, 100 and 1,000
- Multiples of 10, 100 and 1,000

Measurement: Perimeter & Area

- Measure perimeter
- Perimeter on a grid
- Perimeter of rectangles
- Perimeter of rectilinear shapes
- Calculate perimeter
- Counting squares





YEAR 5

Autumn Term

Measurement: Perimeter & Area

- Area of rectangles
- Area of compound shapes
- Area of irregular shapes

Number: Place Value

- Numbers to 10,000
- Numbers to 100,000
- Numbers to a million
- Numbers to ten million
- Compare and order any number
- Round numbers to 10, 100 and 1,000
- Round any number
- Negative numbers

Four Operations

- Add whole numbers with more than 4 digits
- Subtract whole numbers with more than 4 digits
- Inverse operations (addition and subtraction)
- Multi-step addition and subtraction problems
- Add and subtract integers
- Multiply 4-digits by 1-digit
- Multiply 2-digits (area model)
- Multiply 2-digits by 2-digits
- Multiply 3-digits by 2-digits
- Multiply up to a 4-digit number by 2-digit number
- Divide 4-digits by 1-digit
- Divide with remainders
- Short division
- Division using factors
- Long division
- Factors
- Common factors
- Common multiples



Four Operations

- Primes to 100
- Squares and cubes
- Order of operations
- Mental calculations and estimation
- Reason from known facts

Fractions

- Equivalent fractions
- Simplify fractions
- Improper fractions to mixed numbers
- Mixed numbers to improper fractions
- Fractions on a number line
- Compare and order (denominator)
- Compare and order (numerator)
- Add and subtract fractions
- Add mixed numbers
- Add fractions
- Subtract mixed numbers
- Subtract fractions
- Mixed addition and subtraction
- Multiply fractions by integers
- Multiply fractions by fractions
- Divide fractions by integers
- Four rules with fractions
- Fraction of an amount
- Fraction of an amount- find the whole



YEAR 6

Autumn Term

Geometry: Position and Direction

- The first quadrant
- Four quadrants
- Translations
- Reflections