

Maths Years 7 - 9



Key Stage 4

Recognise shapes of everyday objects including lines of symmetry

Vocabulary (edges/face/vertices) nets

Measure and begin to record lengths, heights, mass/weight, capacity, volume and time

Describe & show full range of shape movements

Collect & use data in a full range of ways as part of a report

Calculating change using mental Maths techniques

Recognise and name common 2D and 3D shapes and their properties

Describe & explain directions using a full range of methods

Plot complex positions on quadrants, Inc. negative numbers

Use complex data vocabulary terms

Rounding & estimating amounts up to 4 digits

Identifying coins, notes & be fluent at transactions calculating change

Represent & use number bonds Inc. decimals & large numbers

Solve multi step problems

Find and name a quarter as one of four equal parts of an object, shape or quantity

Count groups of objects

Counting forwards and backwards fluently to 1000

Count in 1, 2, 5, 10, 100, 1000'

Recognise and know the value of different denominations of coins and notes

Calendars & dates – use to solve complex word problems

Add numbers to 5 digits

Multiply 3 digit numbers by 2

Addition, subtraction and multiplication

Use complex timetables to solve multi stage problems

Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times

Recognise & use language relating to dates, Inc. days of the week, weeks, months, years & show in all formats

Divide numbers to Inc. remainders & decimals

Count forwards and backwards from a given number

Compare numbers to a million using $<=>$

Recognise complex patterns and sequences

Identify and represent numbers using objects and pictorial representations

Reading and writing numbers in numerals and words



YEAR 9

Recognise and know the value of different denominations of coins and notes

Finding the correct payments using decimals

Estimating amounts & calculating change in decimals

Recognise shapes of everyday objects & identify lines of symmetry

Vocabulary (edges/face/vertices) nets

Be able to identify nets of 3D shapes

Plot complex positions on all quadrant

Use a full range of data vocab

Use more complex timetables to extract info & solve more complex 2-stage problems

Calendars and dates, use to solve word problems

Tell the time to the minute & show in all formats

Identifying coins & notes, be able to use in a variety of combinations in word problems

Recognise and name common 2D and 3D shapes and their properties

Measure and begin to record lengths, heights, mass/weight, capacity, volume and time

Describe & explain directions using angles, compass points & coordinates

Describe & show rotations & translations on all quadrants

Classify & interpret data in a range of ways

Recognise & use language relating to dates, including days of the week, weeks, months and years, show in all formats

Addition, subtraction multiplication

Compare numbers to 1000 using $<=>$ signs

Find & name a half as one of two equal parts of an object, shape or quantity

Write up to 1000 in words & numbers

Counting forwards & backwards to 1000

Reading & writing numbers in numerals & words

Classify information in a range of graphs

Use full range of data vocabulary



YEAR 8

Divide number without remainders

Multiply 1 digit by 3

Use set times, days of the week, months & years

Sequence months of the year

Recognise and know the value of different denominations of coins and notes

Finding the correct coins to pay

Recognise and name common 2D and 3D shapes & their properties

Describe directions using angles, compass points

Measure and begin to record lengths, heights, mass/weight, capacity, volume and time

Subtract two digit numbers to 100

Add two digit numbers

Tell the time to the hour, half past the hour, draw the hands on a clock face to show these times and show in digital form

Use timetables to solve word problems

Identifying coins and notes

Calculating change & solving word problems

Describe 3D properties of shapes

Vocabulary (edges/face/vertices) nets

Addition and subtraction, multiplication and division

Count forwards and backwards to include negative numbers

Represent number bonds to 100

Solve more complex Maths problems

Recognise more complex patterns and sequences

Count in ones, twos, fives, tens and hundreds

Identify and represent numbers using place value headings

Plot positions using compass

Describe directions using angles, compass points

Plot positions using coordinates



YEAR 7

Find and name a quarter as one of four equal parts of an object, shape or quantity

Find and name a half as one of two equal parts of an object, shape or quantity

Write up to 100 in words and numbers

Counting forwards and backwards to 100

Reading and writing numbers in numerals and words

Develop a lifelong love of learning

Count forwards and backwards to include negative numbers

Recognise and name common 2D and 3D shapes & their properties

Describe directions using angles, compass points

Measure and begin to record lengths, heights, mass/weight, capacity, volume and time

Count forwards and backwards to 100

Write up to 100 in words and numbers

Counting forwards and backwards to 100

Reading and writing numbers in numerals and words

Develop a lifelong love of learning

