

MATHEMATICS ADVISORY CENTRE

Resources catalogue

Prices for subscribing schools



Welcome to the Hampshire Mathematics Resources Catalogue

In order that children develop conceptual understanding of number, they need access to resources that will provide a clear image of our number system. This is the foundation on which calculation builds. At the Mathematics Advisory Centre we have put together a range of resources that will scaffold this progression; from number tracks to number lines, from dice and domino patterns to place value cards and grids. We hope you will find the resources stimulating and that they will help support mathematics teaching in your school.

How to order resources from the Mathematics Advisory Centre.

Hampshire Schools Please click here [Hampshire County Council - Curriculum centre order start page \(hants.gov.uk\)](#) to complete the online order form or access it through our website at:

www.hants.gov.uk/maths-advisory-centre

Please note: on completion of your order the Maths Centre will recharge the cost of the resources to your school budget. You will be asked to state on the order form the cost centre, SIO (if appropriate) and GL code you wish this to be charged to.

Your order will be delivered by the schools courier.

Other Authorities

Please send your official orders in the normal way to the Mathematics Advisory Centre, Clarendon House, Monarch Way, Winchester SO22 5PW.

If you have any questions please contact the Mathematics Advisory Centre on tel: 01962 843893 email: **mathscentre@hants.gov.uk** for assistance.

If you would like information on how to subscribe to the Mathematics Advisory Centre please contact us as above and we will forward details to your school.

We hope you will find the catalogue of interest.

Index

Cuisenaire Rods, Numberlink, Money	P1
Place Value	P2 - 3
Numbers	P4
Number Lines	P5-7
Digit & Other Cards	P8 - 9
Counting Resources	P10
Dice and Counters	P11
Number Grids	P12
Mathematics Glossaries	P13
Support and information	P14

Cuisenaire Rods

Cuisenaire Rods – mini set

The inventor of the Cuisenaire rods, Georges Cuisenaire, found that by making use of children's natural inclination to play, and giving them an appealing material which demonstrated the relationships on which mathematics is based, it was possible to provide understanding for them all.

The Mini set of Cuisenaire rods is ideal for one child to work with. The size (212mm x 150mm) is not much bigger than a book. The rods are made of strong plastic, making them more hygienic and hard wearing than wooden versions.



CWR001

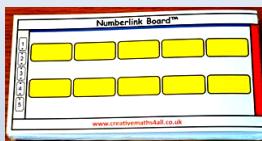
Cuisenaire Mini Set

£22.50 each

Numberlink Boards™

Numberlink Boards™

Created by Katie Crozier, the Numberlink Board™ helps children in learning multiplication by building a strong visual picture, improving their ability to recall number facts with understanding. Each pupil board measures 40cm x 10cm and has a dry erase finish on both sides. The large format demo board measures 80cm x 20cm and also comes with a dry erase surface both sides. Schools purchasing the boards will receive a password to the Creativemaths4all website so that they can access any training slides. Accompanied by A4 instruction sheet.



NUML01

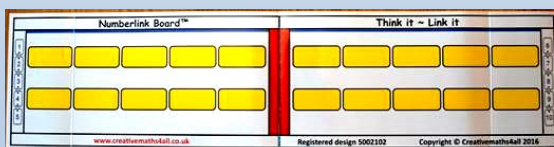
pack of 10 cards

£15.00

NUML02

Class pack of 30

£36.00



NUML03

Single Large Format £6.00

Money

Large Coin Assorted Set (Card)

A set of 48 large assorted demonstration coins to help develop children's coin recognition and understanding of money. The coins are printed on quality laminated card.

Each set comprises:

10 x 1p, 5 x 2p, 10 x 5p,
10 x 10p, 5 x 20p, 4 x 50p,
2 x £1, 2 x £2.



LC048

per pack

£8.95

Large Money Notes

A set of paper money laminated on card. Supplied with 28 self adhesive magnets. Suitable for role play to develop children's understanding of money.

1 x £50,
2 x £20
5 x £10, 6 x £5



LMN001

pack

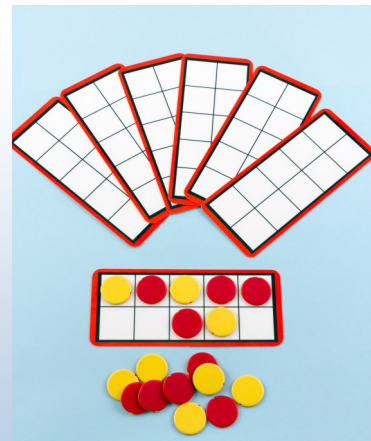
£13.75

Place Value

Pack of Ten Frames with double sided Counters **OUT OF STOCK**

Ten frames are ideal to develop a strong 'sense of ten', the foundation for an understanding of both place value and mental calculations. Various arrangements of counters on the ten frame can be used to prompt different mental images of numbers and different mental strategies for manipulating these numbers. They can also provide a first step into understanding two-digit numbers.

These sturdy laminated card frames (155mm x 65mm) come in packs of 10 and can be purchased on their own or together with a pack of 100 red/yellow double sided counters.



FRM10	1 pack of 10 (no counters) OUT OF STOCK	£ 4.95
FRM30	3 packs of 10 (no counters) OUT OF STOCK	£13.50
FRMC10	1 pack with 100 counters OUT OF STOCK	£ 8.25
FRMC30	3 packs with 300 counters OUT OF STOCK	£24.25

Place Value Counters

PVC001 (pack of 300) @ £16.80

PVC002 (3 packs) @ £45.50

100 x 100s (green)
100 x 10s (yellow)
100 x 1s (red)



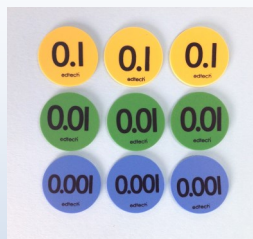
OUT OF STOCK

Decimal Place Value Counters

CDPV001 (pack of 300) @ £16.95

CDPV002 (3 packs) @ £45.75

100 x 0.1 (yellow)
100 x 0.01 (green)
100 x 0.001 (blue)



PVC003 - 1,000s (pack 100) @ £6.30
PVC004 - 3 packs @ £17.50



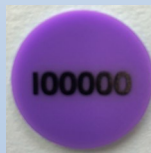
PVC005 - 10,000 (pack 100) @ £6.30

PVC006 - 3 packs @ £17.50



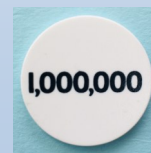
PVC007 - 100,000 (pack 100) @ £6.30

PVC008 - 3 packs @ £17.50



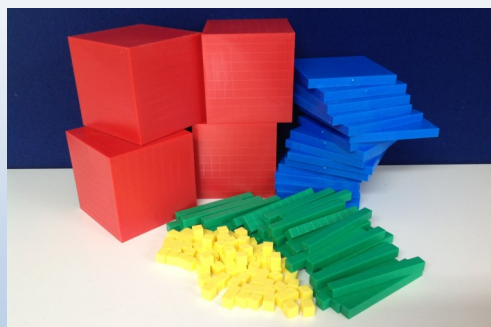
PVC009 - 1,000,000 (pack 100) @ £6.30

PVC010 - 3 packs @ £17.50



New Group Dienes pack

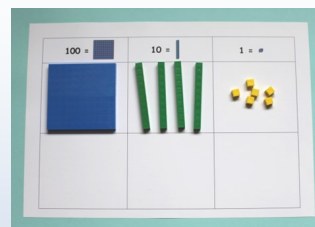
Dienes are an important concrete representation for pupils to give meaning to a numerical concept.



Group Set

100 x yellow 1s;
50 x green 10s;
30 x blue 100s
4 x red 1000s

DNS004 @ £26.95



A3 Laminated Calculation Mat

Side A: headed with numbers
Side B: headed with pictorial representation of dienes and numbers

DNSC002 @ £5.50 each

Place Value

Pupil Place Value Cards

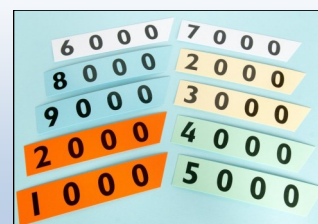
Set of 5, each set a different colour (including white).



PV001	per set	£7.25
PV002	class pack (7 sets)	£45.00

Pupil Place Value Extension Cards (1,000)

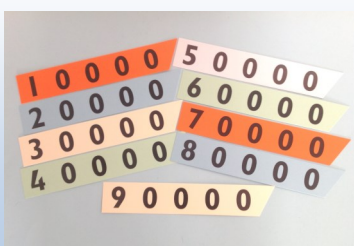
Set of 5, each set a different colour and laminated. To be used in conjunction with PV001 enabling any number up to 9,999 to be shown.



PV005	per set	£7.25
PV006	class pack (7 sets)	£45.00

Pupil Place Value Extension Cards (10,000)

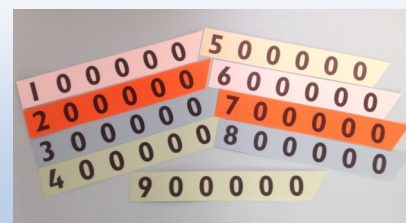
Set of 5, each laminated set a different colour. To be used in conjunction with PV001 enabling any number up to 99,999 to be shown.



PV007	per set	£7.25
PV008	class pack (7 sets)	£45.00

Pupil Place Value Extension Cards (100,000)

Set of 5, each laminated set a different colour. To be used in conjunction with PV001 enabling any number up to 999,999 to be shown.



PV009	per set	£7.25
PV010	class pack (7 sets)	£45.00

Pupil Decimal Place Value Cards

Set of 5, each a different colour and laminated. Set comprising of:

0.000-0.009
0.00-0.09
0.0-0.9
0-9



DPV001	per set	£10.75
DPV002	class pack (7 sets)	£70.50

Place Value Dice

Decahedron shaped place value numbered dice (more dice page 13)

2 x 0-9 (red)
2 x multiples of 10 (yellow)
2 x multiples of 100 (green)
2 x multiples of 1000 (blue)

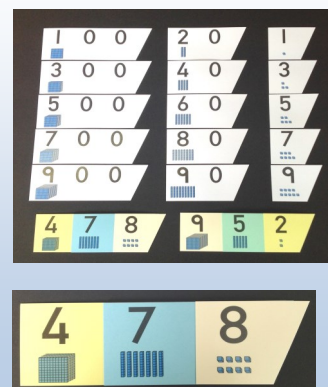


D018	pack of 8	£4.50
------	-----------	-------

Place Value/Dienes Arrow Cards

Place value cards support children to understand the value of digits within numbers and how they are written. These new Place Value/Dienes cards bridge the gap between the concrete and pictorial stage as each card has an image of dienes to reinforce the value of the partitioned number.

Children should be encouraged to draw images to demonstrate their understanding of mathematical concepts. These laminated cards come in packs of 5 sets (each set a different colour).



PVDN001	per pack	£10.25
PVDN002	class pack (7 sets)	£64.00

Numbers

How to Write Numerals Pack

Some young children have real difficulty writing numbers correctly. This pack can support both the conceptual understanding of ordering numbers and how to write them accurately.

Contents: 5 x 0-9 numerals number lines with directional arrows; 5 x 0-9 numerals number line; x HNW003 pack of A6 cards *How to write numerals* with directional arrows; **(also sold separately below)**, 4 x A4 colour laminated photocopyable masters; 1 x A4 laminated instruction sheet



1

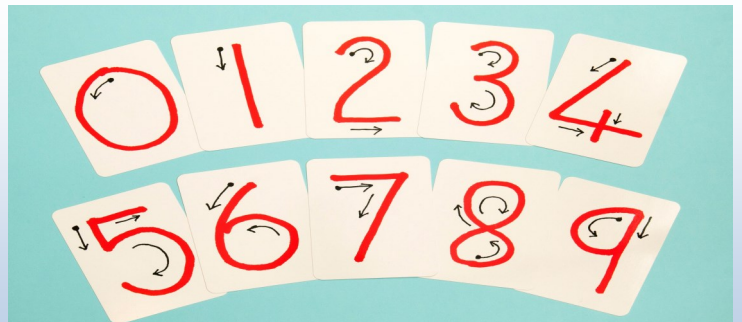
HNW001

1 complete pack

£9.95

How to Write Numerals—Handwritten Cards

Pack of 0-9 A6 white laminated cards with directional arrows to help children to write accurately



HNW003

1 pack

£2.50

Blank Laminated Squares

Thick laminated re-usable squares

Sticky backed (also magnetic)

Ideal for early addition and subtraction in small groups.

25mm x 25mm.



MG001

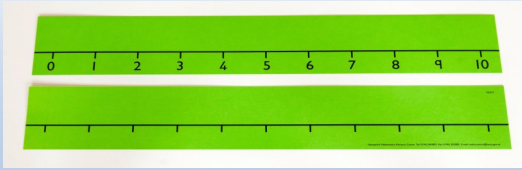
pack of 50

£3.50

Number Lines

0-10 Green Desktop Number Line

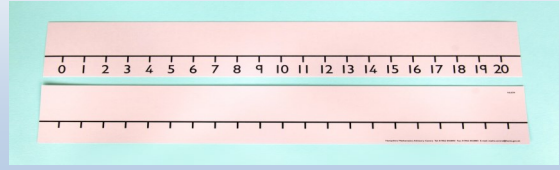
0-10 on one side/unnumbered markings on reverse. 43cm x 7cm



NL026	pack of 5	£2.25
NL027	pack of 30	£9.95

0-20 Lavender Desktop Number Line

0-20 on one side/unnumbered markings on reverse. 43cm x 7cm



NL028	pack of 5	£2.25
NL029	pack of 30	£9.95

0-50 White Desktop Number Line

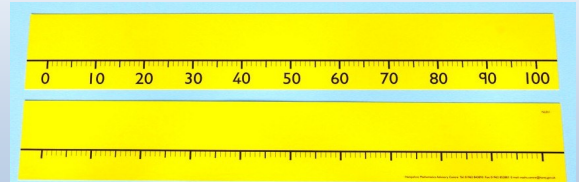
Demarcated in units of 1, with multiples of ten highlighted in red. Space above for recording calculations.



NL049	pack of 5	£2.25
NL050	pack of 30	£9.95

0-100 Yellow Desktop Number Line

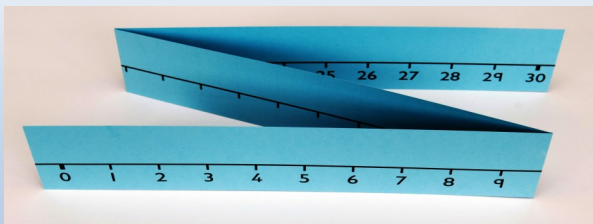
0-100 on one side/unnumbered markings on reverse. 43cm x 7cm



NL030	pack of 5	£2.25
NL031	pack of 30	£9.95

0-30 Number Line

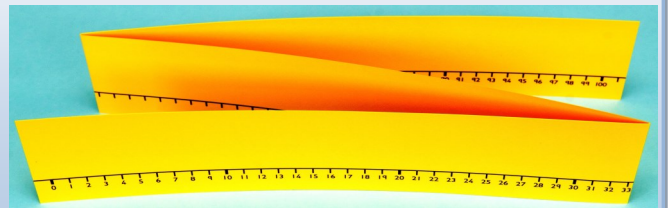
90cm x 7cm, laminated, dry wipe surface. Reverse has unnumbered markings. Suitable for individual use.



NL010s	each	£1.50
NL010	pack of 5	£5.50

0-100 Structured Number Line

Demarcated in units of 1 with space above for recording calculations.



NL039	each	£2.50
NL040	pack of 5	£9.95

Blank Number Line

Can be used end to end for whole class work or individually for desktop work. Markings match original number (NL001). Useful for decimal and fraction work. 1mtr long

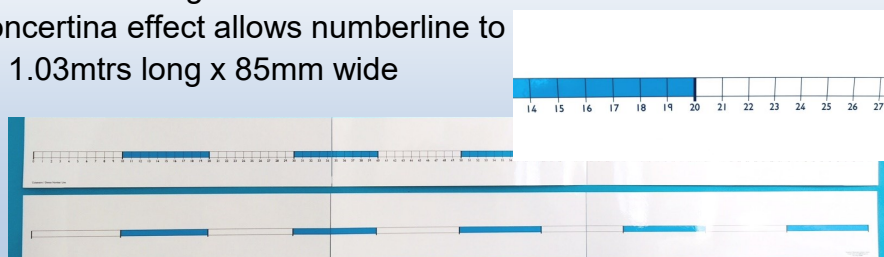


NL003	each	£2.50
NL004	pack of 5	£10.90

Number Lines

Cuisenaire/Dienes Number Line

A structured number line for use with structured resources such as Dienes and Cuisenaire. Ten blocks correspond to the tens stick of Dienes and the orange stick of Cuisenaire. New concertina effect allows numberline to lay flat. 1.03mtrs long x 85mm wide



NL045

each

£3.75

NL046

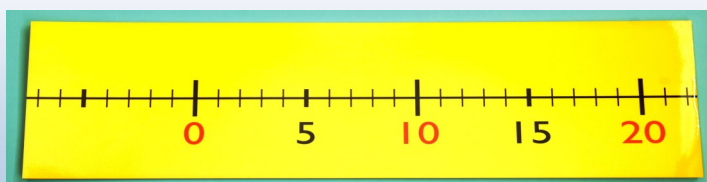
pack of 5

£15.75

Large Yellow Number Line

0 to 100 with marking before 0 and after 100. Multiples of 10 highlighted in red.

2.5mts x 21cm



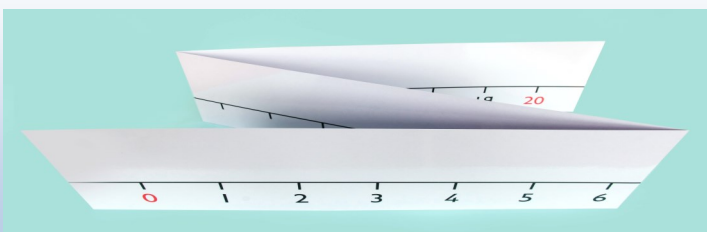
NL014

each

£8.75

Large Horizontal Number Line (1.89mtrs x 21cm)

Lavender colour laminated concertina effect. 0-20 on one side, blank on reverse with highlighted units of 10.



NL024

each

£8.75

NL025

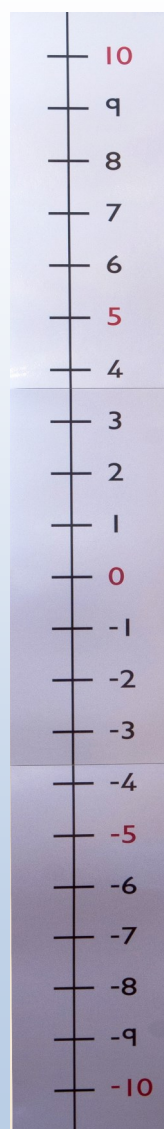
pack of 5

£40.50

Large Vertical Number Line

-10 to 10 with multiples of 10 highlighted in red (blank on reverse). Lavender coloured, concertina effect.

1.86mts long x 21cm wide



Decimal Number Lines

Each pack contains 3 number lines marked as follows:

0 to 2 in steps of 0.1

0 to 0.2 in steps of

0.01

Steps of .1 allowing teachers to add their own units



NL011

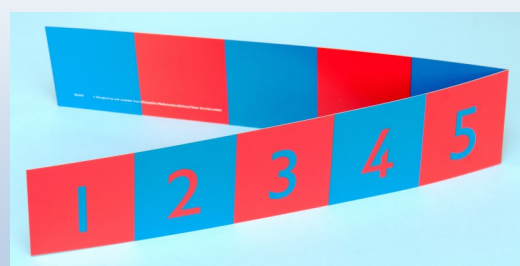
per pack

£9.95

Desktop Number Track 1-10

Each tile 7cm square, alternating blue and red/ corresponding red and blue tiles on reverse.

70cm x 7cm.



NL041

each

£1.25

NL042

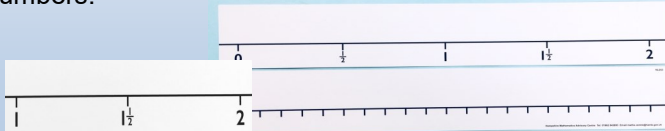
pack of 10

£9.80

Fraction and other number lines

0 - 2 Fraction Number Line (halves)

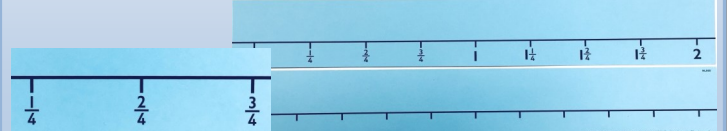
This resource will support pupils to count in halves, developing pupils' understanding that fractions are part of the number system. This resource will help pupils to add and subtract halves and can be used alongside the number line split into halves to enable pupils to identify equivalent fractions. The reverse is blank to enable further development of halves starting from different numbers.



NL052	pack of 5	£2.25
NL053	pack of 30	£9.95

0 - 2 Fraction Number Line (quarters)

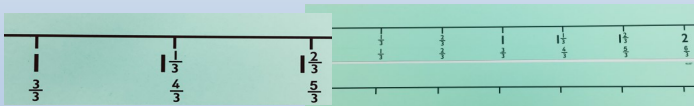
This resource will support pupils to count in quarters, developing pupils' understanding that fractions are part of the number system. The resource will help pupils to add and subtract quarters and can be used alongside the number line split into quarters to enable pupils to identify equivalent fractions. The reverse is blank to enable further development of quarters starting from different numbers.



NL054	pack of 5	£2.25
NL055	pack of 30	£9.95

0-2 Fraction Number Line (thirds)

This fraction number line will support pupils to count in thirds, developing pupils' understanding that fractions are part of the number system. This resource will also help pupils to add and subtract thirds. Reverse is blank to enable further development of thirds or other fractions.



NL056	pack of 5	£2.25
NL057	pack of 30	£9.95

-4 to 105 Number Line

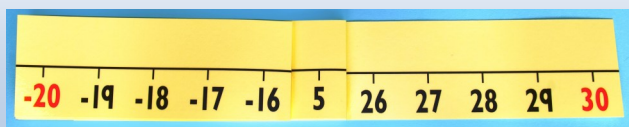
Concertina effect allows selection of specific numbers. 5.5mts x 7cm wide



NL001	each	£12.00
NL002	pack of 5	£57.80

-20 to 30 Negative Number Line

2mtrs long x 7cm wide **RUN OUT**

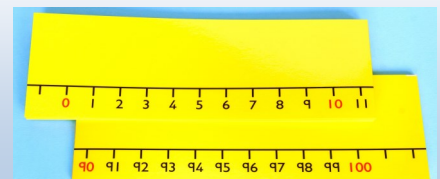


NL005	each	£5.75
NL006	pack of 5	£25.75

0-100 Number Line

Demarcated in units of 1 with multiples of 10 highlighted in red.

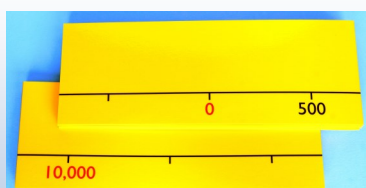
2.20mt x 10.5cm



NL032	each	£7.00
NL033	pack of 5	£33.00

0-1,000 Number Line

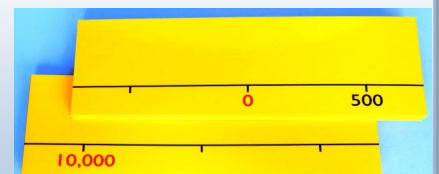
Demarcated in units of 50, with multiples of 100 highlighted in red. Space above for recording calculations.



NL034	each	£7.00
NL035	pack of 5	£33.00

0-10,000 Number Line

Demarcated in units of 500, with multiples of 1000 highlighted in red. Space above for recording calculations. 2.2mt x 10.5cm

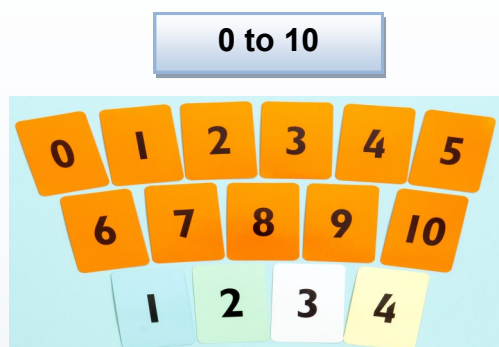


NL036	each	£7.00
NL037	pack of 5	£33.00

Digit Cards

Laminated Digit Cards

5 sets per box of pre-printed playing cards with each set a different colour (including white). Ideal for both whole class and individuals.



NC001	1 box	£5.25
NC002	class pack (7 boxes)	£33.50



NC003	1 box	£7.25
NC004	class pack (7 boxes)	£45.65

0 to 100
Multiples of ten



NC005	1 box	£5.50
NC006	class pack (7 boxes)	£36.50

0 to 100 (every number)

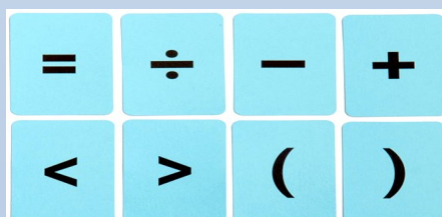
Available in white, buff, green, blue or orange. *Please specify colour.*



NC007	per box	£7.25
	<i>(Please specify colour)</i>	

Mathematical Symbol Cards

Set of 45 cards. Each set contains 5 of each of the mathematical symbols for addition, subtraction, division, multiplication, brackets, equals, greater than and less than.



MS001	per box	£3.25
-------	---------	-------

Blank Playing Cards

1000 blank cards (playing card sized). Useful for making number games and other activities.



BC001	per 1000	£15.00
-------	----------	--------

Other Cards

Numbers and Images - CPA (KS1)



Mastering number using the CPA approach. This box contains all you need to practice making links between different essential representations of number from 1 to 10 in a motivating enjoyable way. Particularly suitable for small group or individual support. A helpful resource for class teachers or LSAs.

NI001
NI002

per box
3 boxes

£ 5.75
£16.50

Tables/Number Bonds Mastery Games Pack (KS1)

Mastering 2x, 5x, 10x tables

Mastering number bonds to 10, 20 and 100

This pack contains all you need to practice 2x, 5x and 10x tables and number bonds to 10, 20 and 100 in a motivating and enjoyable way. Particularly suitable for small groups and individual support.

Mastering these skills is key for future progress.

Helpful resource for class teachers and LSAs.



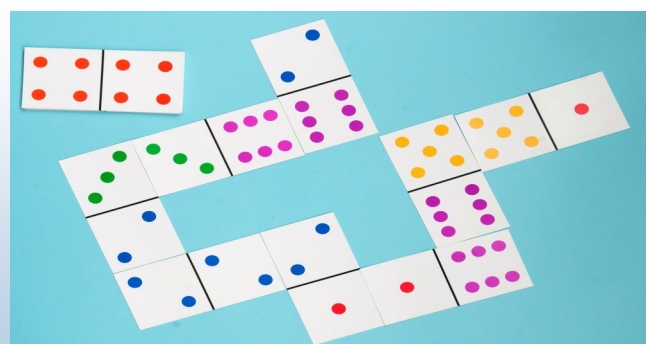
PS001

per pack

£10.75

Colour Spotted Domino Cards

Traditional dominoes for use in whole class and individual mathematics lessons. Set of 28.



DM003
DM004

1 set
5 sets

£ 2.95
£13.75

Counting Resources

The structure of the bead string and its groups of 10's; red and white beads provide a visual concrete image of the number system; to be used for place value, counting and calculating.

10 Bead String (16mm bead)

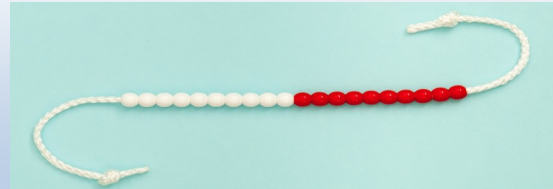
10 red beads, 35cm length.



BSL10	each	£1.55
BSL10CP	class pack (30)	£42.00

20 Bead String (8mm bead)

Alternating 10 red/10 white beads. 35cm length.



BS20	each	£1.10
BS20CP	class pack (30)	£30.00

20 Bead String (16mm Bead)

Alternating 10 red/10 white beads. 50cm length.



BSL20	each	£2.20
BSL2010	pack of 10	£21.00
BSL20CP	class pack (30)	£61.00

100 Bead String (8mm bead) **OUT OF STOCK**

Alternating 10 red/10 white beads. 120cm length.

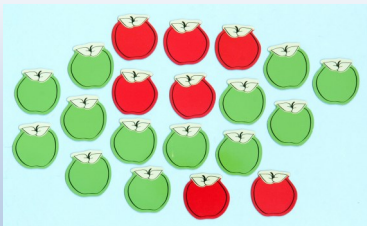


BS100	OUT OF STOCK	£3.10
BS10010	OUT OF STOCK	£29.50
BS100CP	OUT OF STOCK	£85.00

Apples for counting

Pack of 20 red/green apples for counting on a number line.

Also magnetic



MA001	per pack	£3.95
-------	----------	-------

Fish for counting

Pack of 20 assorted fish for counting on a number line.

Also magnetic.

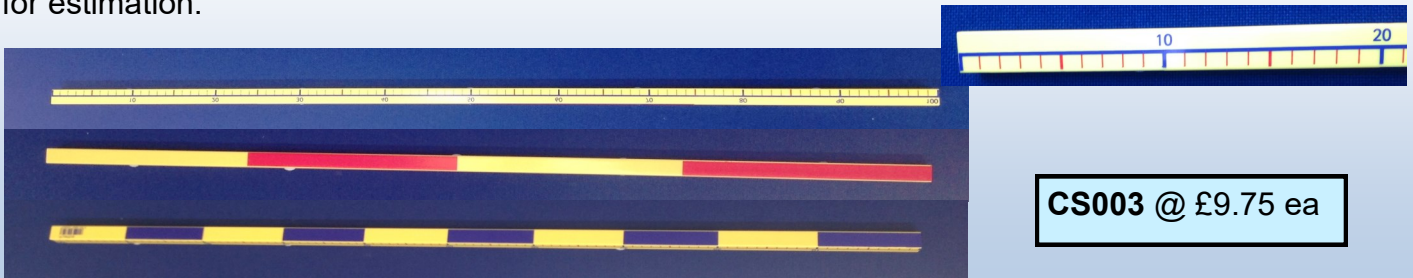


MF001	per pack	£3.95
-------	----------	-------

Teachers Counting Stick

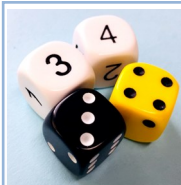
Ideal for whole class mental maths, counting, ordering, estimating, tables and decimals.

1mtr long, high quality plastic printed on 3 sides: 0-100; sections in 10s; sectioned into 4; blank side for estimation.

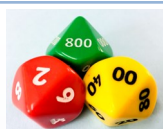


CS003 @ £9.75 ea

Dice and Counters



- D006** Spotted Dice (5) @ £0.50
D007 Spotted Dice (15) @ £1.40
D008 **OUT OF STOCK**
D009 Number Dice (15) @ £1.40



- D018** Place Value Dice (8) @ £4.50



- D019** 16mm Blank Dice (6) @ £1.40



- D010** Money Dice (5)
 1p, 2p, 5p, 10p, 20p, 50p @ £1.50
D011 (pack 15) @ £3.50



- D022** 20 sided Dice (8) @ £3.25

Symbol Dice Packs of (5) @ £0.75



- D014** Symbol Dice (5) $\times \div$
D016 Symbol Dice (5) $+$ $-$
D024 Symbol Dice (5) $+$ $>$ \div $=$ \times $-$
D025 Symbol Dice (5) $+$ $-$ \div \times \geq
D026 Symbol Dice (5) \leq $=$ \geq $<$ $>$ \neq
D026 Symbol Dice (5) \leq $=$ \geq $<$ $>$ \neq



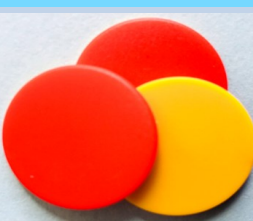
Fraction Dice Packs of (5) @ £0.75

- D030** Fractions $\frac{1}{2}, \frac{1}{6}, \frac{1}{4}, \frac{1}{5}, \frac{1}{8}, \frac{1}{3}$
D031 Fractions $\frac{1}{1}, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}, \frac{1}{6}$
D033 Fractions $1, \frac{1}{3}, \frac{1}{6}, \frac{1}{2}, \frac{2}{3}, \frac{5}{6}$
D034 Fractions $\frac{1}{2}, \frac{2}{4}, \frac{1}{3}, \frac{2}{3}, \frac{1}{4}, \frac{3}{4}$

Counters



- TC001** Transparent Counters
 (pack 200) @ £6.50
TC002 (pack 500) @ £12.75



- TC003** Red/yellow double
 sided counters **OUT OF
 STOCK**
TC004 **OUT OF STOCK**

Foam Dice (no noise)

Spotted Foam Dice

These PU foam dice are 5cm cubes, ideal for number activity with small groups and whole class.



- | | | |
|------|------------|--------|
| D001 | pack of 6 | £6.00 |
| D002 | pack of 20 | £18.00 |

Numbered Foam Dice

These PU foam dice are 5cm cubes, ideal for number activity with small groups and whole class.



- | | | |
|------|------------|--------|
| D003 | pack of 6 | £6.00 |
| D004 | pack of 20 | £18.00 |

Giant Foam Pocket Dice

13cm faces covered with clear plastic pockets for inserting white laminated dry wipe cards - 40 included, 20 with mathematical suggestions and 20 blank



- | | | |
|--------|------|-------|
| GPD001 | each | £7.95 |
|--------|------|-------|

Small Pocket Foam Dice (SPD001)

2 x 6cm cube with transparent pockets on each face in which to slot cards.

Blank Cards (BC002)

100 x 52mm square cards to fit into pockets of small foam dice.



- | | | |
|--------|-------------|-------|
| SPD001 | pack of 2 | £4.50 |
| BC002 | pack of 100 | £1.50 |

Number Grids

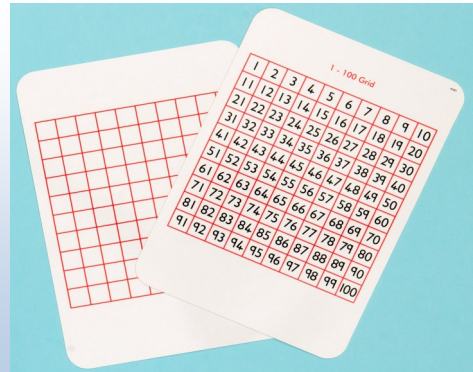
A5 Number Grid (Pack of 35)

Side A: 1-100 numbered grid

Side B: Blank Grid

Suitable for individual children or whole class teaching.

A5001 per pack £9.95



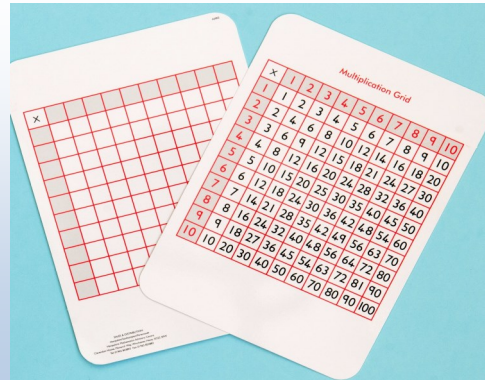
A5 x10 Multiplication Grid (Pack of 35)

Side A: Multiplication square up to 10 x 10

Side B: Blank multiplication

Suitable for individual children or whole class teaching.

A5002 per pack £9.60

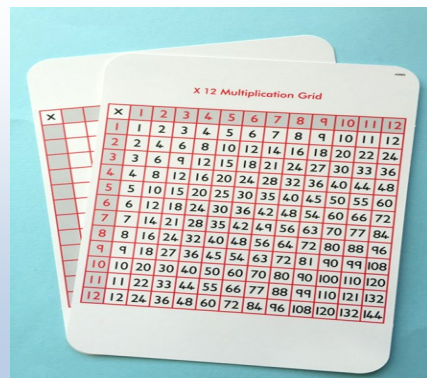


A5 x12 Multiplication Grid (Pack of 35)

Side A: Multiplication square up to 12 x 12

Side B: Blank multiplication

A5003 per pack £9.60

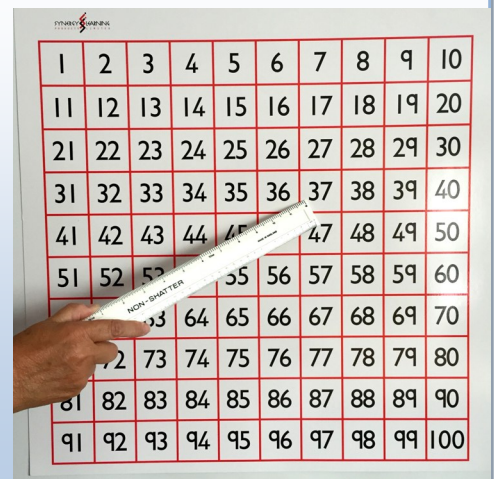


Large 1-100 Number Grid

Large laminated, dry wipe, number grid. Blank 100 grid on reverse. Provides children with an image of the number system up to 100.

64cm x 59cm.

LG005 each £5.75



Mathematics Glossaries with word-card resource

The precise and appropriate use of subject specific vocabulary is an essential communication skill for learners and teachers of any subject. If you wish to communicate in a language other than your mother tongue, it is necessary to acquire knowledge of the vocabulary associated with that language, alongside the correct spelling and grammatical rules. The same applies to mathematics, and these glossaries have been developed by the Hampshire Mathematics Team to provide teachers with a reference point for the technical and subject specific language associated with mathematics. Everyday language in a mathematical context is also included to provide ideas for teachers to use with the word-card resource included with each glossary.

These documents also provide word lists linked to vocabulary that appears in the national curriculum for mathematics (2014).

The word-cards are included to the rear of the glossaries and the wire binding permits photocopies to be taken more easily.

***If KS1 and KS2 Glossaries purchased together - £40.00**

***The Secondary Mathematics Glossary with cards can be downloaded at no charge via the HIAS Maths Moodle**

The image displays three sample pages from the Hampshire Mathematics Glossaries. Each page features a cartoon character holding a bag of 'equals' and a stack of word cards. The top page is for Key Stage One, the middle for Key Stage Two, and the bottom for Secondary. Each page includes a table with columns for Year, Meaning, and Example.

Year	Meaning	Example
1	A circle, or polygon, with two different faces used as currency. Different values are assigned to different shaped and coloured coins.	
2	To put things together in a particular order.	1,2,3,4,5... are collated (and ordinal)
2	Each decimal number in order.	one more than $5 + 1 = 6$
2	A set of objects.	$5 + 4 = 9$

The bottom page is for Secondary, showing a table with columns for Year, Meaning, and Example.

Year	Meaning	Example
2	A set of objects.	$5 + 4 = 9$

GLSKS1	Wire bound KS1 Mathematics Glossary with cards	*£21.50 per booklet
GLSKS2	Wire bound KS2 Mathematics Glossary with cards	*£24.50 per booklet
GLSSEC	Wire bound Secondary Mathematics Glossary with cards	£26.50 per booklet

Also from HIAS!

Publications: Why not take a look at publications produced by the Hampshire Inspection and Advisory Service. You will find a list of publications on our website at:

[Curriculum support | Hampshire County Council \(hants.gov.uk\)](https://hants.gov.uk/curriculum-support)

Moodles: Have you visited the HIAS Moodles? The Moodle sites include top quality resources, training and course materials on:

[Hampshire Inspection and Advisory Service Moodles \(mylearningapp.com\)](https://mylearningapp.com) .

Do not forget to sign up to our site news pages so we can keep you up to date with the latest news and training opportunities from the HIAS subject teams.

Moodle+ offers access to a wide range of high-quality resources for subject leads and teachers for all key stages in primary and secondary and is available by subscription. For more information contact Katie Scott via email: katie.scott@hants.gov.uk.