

## MATHEMATICS *and* NUMERACY

### *Television*

#### **NUMBERTIME** (TV)

BBC2 15 mins key stage 1

*Explores numbers 1–20 and provides a rich mixture of graphics, animations, songs and rhymes.*

#### NUMBERS 1–10 (age 4-5)

TI 0186	Number 1	TI 0263	Number 6
TI 0204	Number 2	TI 0281	Number 7
TI 0222	Number 3	TI 0299	Number 8
TI 0232	Number 4	TI 0310	Number 9
TI 0246	Number 5	TI 0324	Number 10

#### SHAPES

TI 0491	Circles	TI 0533	Rectangles
TI 0508	Squares	TI 0547	Shapes together
TI 0523	Triangles		

#### SIDE BY SIDE

TJ 0988	Up/down on/off	TJ 1230	Beside/around/between
TJ 1059	In front behind	TJ 1339	In/out/through
TJ 1129	Under/over		

#### ADDITION AND SUBTRACTION

TL 0006	Adding two numbers	TL 0010	Adding three numbers
TL 0028	Patterns of addition	TL 0032	Two-step addition
TL 0055	Addition with partition	TL 0065	Subtracting one from another
TL 0103	Difference	TL 0114	Patterns of subtracting
TL 0154	Two-step subtraction	TL 0165	Plus and minus

#### NUMBERS 11-20

TL 0288	Number 11	TL 0435	Number 17
TL 0336	Number 12	TL 0481	Number 20
TL 0383	Number 15		

#### NUMBERS UP TO 100 (age: 5-7)

TL 0299	Counting on back	TL 0445	Patterns of 10
TL 0346	Missing numbers	TL 0490	Patterns of 5
TL 0395	Counting in 10s		

#### MORE OR LESS

TL 1143	One more	TL 1291	One less
TL 1160	Two more	TL 1346	Two less
TL 1196	Three more	TL 1347	Three less
TL 1249	Five more	TL 1397	Five less

#### TIME

TN 0007	Night and day	TN 0236	O'clock
TN 0031	Days of the week	TN 0300	Half past
TN 0073	Sequencing events	TN 0362	Timing of events
TN 0113	Comparison of Time	TN 0412	Months and seasons
TN 0156	Clock face	TN 0462	Telling the time

## NUMBERTIME (TV) (continued)

### MONEY

TN 0013	Coin recognition to 10p	TN 0313	Coin equivalents to 50p
TN 0042	Money problems to 10p	TN 0373	Change from 50p
TN 0083	Coin equivalents to 10p	TN 0426	Coin equivalents to £1
TN 0122	Change from 10p	TN 0473	Up to £2
TN 0169	Coin equivalents to 20p		

### TIME FOR MATHS (TV)

CH4 10 mins age: 4-6 key stage 1

*Children in their first year at school are introduced to maths through stories and songs. For the first time in schools television the stories are fully animated, with state-of-the-art three-dimensional graphics.*

TC 0073	The farmer's chair	TC 1083	Winter rescue
TC 0147	The scarecrows	TC 1165	The photograph
TC 0222	Down the mousehole	TC 1248	The special treat
TC 0298	Milking time	TC 1330	The water shortage
TC 0374	The lost lamb	TC 1412	The boat
TC 0454	The juggler	TC 1493	The rabbit warren
TC 0531	In the pond	TC 1576	Counting the eggs
TC 0606	The new chicks	TC 1745	The balloon
TC 0681	The wild ducks	TC 1831	Cutting the hay
TC 0756	Ten in trouble	TC 1903	The balancing act
TC 0838	The grandfather clock	TC 1967	George's house
TC 0920	The midnight calf	TC 2058	The farmer's year
TC 1002	The surprise present		

### MATHS BOOK (TV)

CH4 10 mins age: 4-6 key stage 1

*Mathematical ideas are revealed to children in the familiar world of home and school.*

TF 0890	Pattern	TF 1279	Handling data
TF 0966	Using numbers	TF 1355	Sorting
TF 1045	Probability	TF 1431	Inputs and outputs
TF 1123	Estimating	TF 1507	Taking shape
TF 1202	Movement	TF 1588	Bigger and smaller

### STARSHIP MATHS (TV)

BBC2 10 mins age: 5-7

*Mathematics for key stage 1.*

TQ 0441	Place value	TQ 0490	Data handling
TQ 0466	Calculations	TQ 0513	Shape, space and measure

## THE NUMBER CREW (TV)

CH4 10 mins age: 5-7 key stage 1

*A cartoon series which poses mathematical problems on topics including counting, numbers, addition, doubling and halving, multiplication, money and measuring.*

### NUMBER AND THE NUMBER SYSTEM 1

TK 0048	All aboard	TK 0350	Time for treats
TK 0109	Number on the doors	TK 0391	The dancing bears
TK 0168	The welcome meeting	TK 0455	Drinks for all
TK 0230	Storm and sea sickness 1	TK 0538	Hunting for bunting
TK 0300	Storm and sea sickness 2	TK 0620	The party

### NUMBER AND THE NUMBER SYSTEM 2

TK 0062	Paw prints on the tiles	TL 0293	Sharing the bugs
TK 0122	Tiling with style	TL 0341	Bug magnets
TK 0181	The number bugs arrive	TL 0390	Rounding the bugs
TK 0244	The place for treats	TL 0441	Action with fractions
TK 0312	Ordering drinks	TL 0486	The Christmas party

### CALCULATIONS 1

TK 0755	Lifeboat practice	TK 1061	The trouble with crocodiles
TK 0820	After lifeboat practice	TK 1109	Ice creams
TK 0886	Ten thing bowling competition 1	TK 1171	Double trouble
TK 0946	Ten thing bowling competition 2	TK 1225	Number crew on wheels
TK 1008	Clear up	TK 1282	The roller hockey match

### SOLVING PROBLEMS 1

TK 1412	The roller coaster 1	TK 1421	The treasure hunt
TK 1464	The roller coaster 2	TK 1474	It's yo yo time
TK 1515	Drinks in the sum	TK 1524	Do it for charity
TK 1616	The funfair	TK 1625	Sports day
TK 1680	More fun at the fair	TK 1689	The number crew awards

### SHAPE AND SPACE 1

TL 0615	Shape sorting	TL 0649	Fit club
TL 0629	Shape escape	TL 0662	Turning moments
TL 0641	Super models		

### SOLVING PROBLEMS 2

TL 0732	Landing on the island	TJ 1796	The model island
TL 0747	Exploring the island	TJ 1866	The cash machine
TL 0758	Setting up camp	TJ 1937	The big side
TL 0766	Weights and measures	TJ 2031	The photographs
TL 0780	The beach party	TJ 2104	The mathematics show

### CALCULATIONS 2

TL 0932	The iceberg	TK 1071	Hip hip array!
TL 0945	Putting on and taking off	TK 1121	The rover disco
TL 0957	The mathematical seven	TK 1183	The trouble with doubles
TL 0966	Ice dancing	TK 1237	The holiday club
TL 0978	Spring cleaning	TK 1296	The number bug holiday club

**NUMBER ADVENTURES (TV)**

BBC2 15 mins age: 5-7

*Fully animated stories invite viewers to solve number challenges.***NUMBER ADVENTURES (most suitable for reception/year1)**

TI 0078	Didi in wonderland	TI 0272	Didi and Spike go bowling
TI 0131	Eggs for the queen	TI 0371	Home at last
TI 0194	A cake fit for the queen		

**NUMBER PUZZLES (most suitable for year 1)**

TI 0436	Blue mountain	TI 0643	Purple park
TI 0499	Greenland	TI 0709	Golden castle
TI 0570	Red rock		

**SHAPE (most suitable for year 2)**

TJ 0964	The queens castles	TJ 1206	A new castle
TJ 1035	Shape satellite	TJ 1316	The home journey
TJ 1105	Mirror magic		

**MEASURING LENGTH**

TJ 1479	A new adventure begins	TJ 1710A	Mr Metre
TJ 1566	The measuring snake	TJ 1710B	Roller coaster ride
TJ 1284	The maze		

**NUMBERS PLUS: INFANT MATHS (TV)**

BBC2 15 mins age: 5-7 key stage 1

*The natural progression from Numbertime, both in programme style and content.*

TC 0764	The barbecue (numbers 10-20)	TD 0392	The big top (measuring weight)
TC 0846	The picnic (sharing and dividing)	TD 1472	It's my birthday (measuring time)
TC 0928	Sort it out (sorting)	TD 1553	How much how many? (numbers over 100/using money)
TC 1010	It is, isn't it? (recording and handling data)	TD 1632	All shapes and sizes 2 D and 3D shapes)
TC 1091	On with the show		
TC 0310	On the shelf (measuring length)		

**STAR MATHS (TV)**

CH4 10 mins age: 7-8

A series of programmes on aspects of numbers and the number system, and on measures, shape and space using animation and graphics.

TK 0034	Welcome to the Juniker	TK 0194	Near enough
TK 0094	Pods and parcels	TK 0255	Reaction time
TK 0154	Dust bugs and parsnips	TK 0325	A fraction too close
TK 0215	Celestial TV	TK 0365	Wattbot in distress
TK 0293	Feeding the sports	TK 0417	Baby in the balance
TK 0342	Bits and pieces	TK 0481	Bubblemud, glorious bubblemud
TK 0377	More bits and pieces	TK 0563	Shape shooters
TK 0441	The ghostbase	TK 0646	The key decision
TK 0523	Lisa birthday surprise	TK 0742	The faulty machine
TK 0607	Botler blows a fuse	TK 0802	A game of darts
TK 0073	Distress call	TK 0868	The wattbot sports day
TK 0135	Collision course	TK 0929	Lisa's surprise visit

## STAR MATHS (TV) (continued)

TK 0990	The mischievous puzzle	TK 1248	The farewell party
TK 0780	Eggs in space	TK 1306	The final mission
TK 0842	The journey planetoid	TK 1031	It all adds up
TK 0908	A perfect fit	TK 1052	The route home
TK 0970	What's the difference?	TK 1100	The treasure hunt
TK 1079	Power cut	TK 1155	Video diaries
TK 1132	Leftovers	TK 1209	The watbot check up
TK 1192	A waste of time	TK 1268	A walk in space

## JUNIOR MATHS (TV)

CH4 15 mins age: primary

*The programmes use cartoons, graphics and fantasy stories as well as game playing, practical activities and sequences of film that explore the broader aspects of mathematics in the world around.*

TM 1888	Odds and evens	TM 3031	Overlaps
TM 1925	Halving and doubling	TM 3098	Connections
TM 1988	Tiles	TM 3157	Points of view
TM 2062	Directions	TM 3219	Patterns
TM 2134	Mirrors	TM 3283	Animations
TM 2207	Paths	TM 3345	Solids
TM 2357	Points of view	TM 3457	Circles
TM 2425	Putting together - taking apart	TM 3527	Large numbers
TM 2496	Images	TM 3596	What happens if?
TM 2712	Counting	TM 3666	Growth
TM 2778	Lines	TM 3720	Time
TM 2840	Rules	TM 3774	Shadows
TM 2905	Reflections	TM 3815	Review
TM 2967	Squares		

## THE MATHS CHANNEL (TV)

BBC2 10 mins key stages 1 & 2

*Programmes on addition, subtraction, multiplication, shapes, data, decimals, calculation and fractions.*

TO 0006	Addition- Year 1	TO 0256	Decimals- Year 4
TO 0007	Subtraction Year 1	TO 0257	Shapes- Year 4
TO 0008	Difference- Year 1	TO 0258	Negative numbers- Year 5
TO 0033	3-D shapes- Year 1	TO 0289	Fractions- Year 5
TO 0034	2-D shapes- Year 1	TO 0290	Data handling- Year 5
TO 0035	Place value- Year 2	TO 0291	Area- Year 5
TO 0075	Subtraction- Year 2	TO 0324	Problems- Year 5
TO 0076	Position and direction- Year 2	TO 0325	Place value and ordering- Year 6
TO 0077	Handling data- Year 2	TO 0326	Fractions- Year 6
TO 0137	Reading scales- Year 2	TO 0348	Fractions and percentages- Year 6
TO 0138	Numbers- Year 3	TO 0349	Decimals- Year 6
TO 0139	Multiplication- Year 3	TO 0350	Number patterns and sequences- Year 6
TO 0196	Measure- Year 3		
TO 0197	Money- Year 3	TO 0375	Mental calculations- Year 6
TO 0198	Time- Year 3	TO 0376	Using a calculator- Year 6
TO 0215	Fractions- Year 4	TO 0377	Measuring length- Year 6
TO 0216	Ordering- Year 4	TO 0413	Units of measurement- Year 6
TO 0217	Division- Year 4	TO 0414	Area and perimeter- Year 6

**MEGAMATHS (TV)**

BBC2 20 mins age: 7-9

*An introduction to aspects of mathematics, including times tables, measurement of length, money, as well as simple fractions and division.***TABLES**

TI 0340	Two times	TI 0429	Nine times
TI 0344	Five times	TI 0434	Four times
TI 0348	Ten times	TI 0446	Eight times
TI 0351	Three times	TI 0449	Seven times
TI 0353	Six times	TI 0462	Big numbers

**DIVISION**

TI 1533	Divide by two	TI 1607	Divide by five
TI 1562	Divide by four	TI 1665	Divide by ten
TI 1590	Divide by three		

**MONEY**

TJ 0019	Up to 20p	TJ 0372	£1 to £5
TJ 0079	Up to 50p	TJ 0460	£5 to £10
TJ 0272	Up to £1		

**FRACTIONS**

TK 0007	Halves and quarters	TK 0229	Thirds and sixths
TK 0047	Quarters and eighths	TK 0299	Decimal/fraction
TK 0108	Fifths and tenths		

**MEASURE**

TL 0873	Sports day	TL 1060	Treasure hunt
TL 0933	The king's clothes	TL 1110	Holidays
TL 1003	Decorating		

**PROBLEM SOLVING**

TO 0998	One step problems	TO 1022	Measurement mass and capacity
TO 0999	Two-step problems	TO 1044	Money
TO 1021	Measures, length and time		

**SHAPE AND SPACE**

TQ 0630	2 dimensional shapes	TQ 0701	Patterns
TQ 0653	3 dimensional shapes	TQ 0717	Moving around
TQ 0677	Symmetry		

**SEE YOU SEE ME (TV)**

BBC2 20mins age 7-11 key stage 2

*A guide to understanding finances with the help of Long John Silver and Jim Hawkins*

TR 0172	Bounty and budget	TR 0203	Debts and doubloons
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**TVM (TV)**

CH4 15 mins age: 7-11 key stage 2

*An animated series which encourages pupils to use and apply maths in real life situations and to relate this skill to the outside world.***LOOKING AT BUILDINGS**

TE 0028 Shapes of buildings TE 0116 Patterns and building

**INSIDE BUILDINGS**

TE 0201 Inside shops TE 0372 Patterns in the home

TE 0287 Living indoors

**MOVING AROUND**

TE 0459 Which way? TE 0626 Signs and symbols

TE 0544 How do I get there?

**CONTROL AND CHANCE**

TE 0708 Who's in charge? TE 0790 Games

**NUMBER PART 1**

TH 0023 Everybody counts TH 0267 Roughly right

TH 0076 Summing up TH 0076 What next?

TH 0131 Bits and pieces TVM (TV) (continued)

**NUMBER PART 2**

TH 0426 In place TH 0640 Sequences

TH 0496 Take a quarter TH 0711 Time scales

TH 0568 7 rules

**PUZZLE MATHS PART 1 (age 7-9)**

TI 1120 Number TI 1402 Reasoning about numbers

TI 1217 Addition and subtraction TI 1473 Shape and space

TI 0893 Multiplication and division

**SHAPE, SPACE AND MEASURES**

TI 1615 Printing mathematics TI 1804 Folding mathematics

TI 1674 Weaving mathematics TI 1850 Reflecting mathematics

TI 1740 Tiling mathematics

**REVISEWISE MATHS (TV)**

BBC2 120 mins age: key stage 2

*Two programmes that allow students to revise on aspects of the national curriculum tests KS2 in mathematics.*

TV 8069 Number and place value, fractions, percentages. Subtraction, multiplication, division, using the calculator

## MATHS CHALLENGE: TV WORKOUT (TV)

BBC2 10 mins age: 9-10

*A quiz format which allows children to make appropriate choices in maths methods, displays calculation methods, allows predication and generalisation and enables explanation of patterns and relationships.*

### YEAR 5

TQ 0436	Multiples and factors	TQ 0485	Complements
TQ 0437	Fractions	TQ 0508	Rounding
TQ 0460	Zeros	TQ 0509	Percentages
TQ 0461	Decimals	TQ 0531	Large numbers
TQ 0484	Doubles and halves	TQ 0532	Integers

### YEAR 6

TN 0547	Equations	TN 0801	Decimals
TN 0603	2D shape facts	TN 0859	3D shape
TN 0651	Percentages	TN 0925	Number patterns
TN 0710	Fractions	TN 0968	Measures

## MATHS MANSIONS (TV)

CH4 10 mins age: 9-10 key stage 2

*A gothic mansion is used as a setting for a game show in which contestants solve maths puzzles.*

### PART 1

TK 0057	Not the great big hen	TK 0400	Get some fraction action
TK 0118	Not the great big hen again	TK 0464	The whole class should be
TK 0178	The deciworms	expelled	
TK 0239	The negs	TK 0547	The Queen of Tarts
TK 0308	Fraction aid	TK 0630	Doing time
TK 0355	The rounding machine		

### PART 2

TJ 0957	Take it easy	TJ 1402	Double-digit rating
TJ 1028	There's room for ...	TJ 1472	Six flat worms
TJ 1098	Breaking up is easy to do	TJ 1559	Learn your lines
TJ 1199	You ain't nothing but a hundred	TJ 1634	Rectangle delight
TJ 1308	Dividing we stand	TJ 1703	Triangle delight

### PART 3

TK 0765	The return of the great big red hen	TK 1015	Sad hair day
TK 0828	Make or break 1	TK 0774	Hundreds and thousands
TK 0894	Do the same to the bottom as the top	TK 0837	Make or break 2
TK 0962	Percentigimole	Tk 0903	More fraction action
		TK 0964	Proportionimole
		TK 1025	Another sad hair day

### PART 4

TK 1067	All the way round	TK 1076	The worms return
TK 1117	A very fine pet is a polyhedron	TK 1126	Better get back into shape
TK 1179	Angleman	TK 1186	The X and Y files
TK 1233	Makeover	TK 1242	Turning points
TK 1292	On reflection	TK 1301	Pie, pie everyone

## **SQUARE ONE TV MATHS (TV)**

BBC2 15 mins age: 9-11 key stage 2

*An exciting series, which explore mathematical topics through challenges, games, comedy sketches and cartoons.*

TD 0004	Place and value	TD 0844	Ratio and scale
TD 0089	Fractions	TD 0921	Measurements
TD 0173	Probability	TD 1000	Number patterns
TD 0258	Data handling	TD 1079	Whole numbers
TD 0341	Graphs	TD 1159	Negative and positive
TD 0428	Angle	TD 1238	Decimals
TD 0511	Movement	TD 1319	Percentages
TD 0593	Area	TD 1401	Angles
TD 0677	Volume	TD 1481	Estimation
TD 0762	Algebra	TD 1562	Problem solving

## **Radio**

### **COUNTING TIME (RADIO)**

BBC 10 mins age: 3-5

*The numbers 1-10 are introduced by a counting song and reinforced by finger rhymes.*

RF 0640	One more	RM 0330	Numbers 3 and 4
RF 0641	Two more	RM 0331	Numbers 5 and 6
RF 0642	One less	RM 0332	Numbers 7 and 8
RM 0329	Numbers 1 and 2	RM 0333	Numbers 9 and 10

### **RADIO NUMBERTIME (RADIO)**

BBC 10 mins age: 4-5

*Shares the same focus as Numbertime, and features numbers songs, song games, simple activities, rhymes and songs that children can easily join in with.*

RB 0223	The clock strikes one	RB 0228	Six current buns
RB 0224	The animals went in, two by two	RB 0229	Seven little fishes
RB 0225	Three bags of wool	RB 0230	Eight cherries on a plate
RB 0226	Four little Kittens	RB 0231	The cat with the nine lives
RB 0227	Five little ducks	RB 0232	Ten green bottles

### **NUMBERTIME MENTAL MATHS YEAR 1 (RADIO)**

BBC 15mins age:5-6

*A series designed for whole class or small group participation*

RN 0129	Counting forwards	RN 0134	Plus facts from 10
RN 0130	Counting backwards	RN 0135	Counting on
RN 0131	Number positions	RN 0137	Counting back to
RN 0132	Plus facts within 10	RN 9138	Revision round-up
RN 0133	Minus facts within 10		

**KEY STAGE 1: STARSHIP MATHS (RADIO)**

BBC 15 mins age: 6-7

*Gentle preparation for the KS1 National Test which focuses on reinforcing knowledge and understanding.*

RM 0539	Emphasis on place value and odd and even numbers	RM 0541	Emphasis on measure and problem solving
RM 0540	Emphasis on mental calculation	RM 0542	Emphasis on shape, space and problem solving

**NUMBERTIME: MENTAL MATHS BOOSTER (Y2) (RADIO)**

BBC 15 mins age: 6-7

*A series on aspects of mental maths at year 2.*

RM 0725	Bonds to 10	RM 0728	Subtraction using two-digit numbers
RM 0726	Addition and subtracting within 30	RM 0729	Multiplication tables for 2, 5 and 10
RM 0727	Addition using two-digit numbers		

**NUMBERTIME MENTAL BOOSTER (RADIO)**

BBC 15 mins age: 6-7

*Programmes to really boost a class's ability in mental maths.*

RK 0471	Forwards with 1s and 10s	RK 0477	Subtraction words
RK 0472	Backwards with 1s and 10s	RK 0478	Counting on to larger numbers
RK 0473	Number order	RK 0479	Counting back from larger numbers
RK 0474	Number quickies	RK 0480	Counting in 2s and 5s
RK 0475	Bonds to 10		
RK 0476	Addition words		

**NUMBERTIME MENTAL MATHS (Y2) (RADIO)**

BBC 30 mins age: 6-7

*Programmes on aspects of mathematics for KS1.*

RM 0473	Adding to 10	RM 0478	Counting back
RM 0474	Subtracting within 10	RM 0479	More counting on
RM 0475	Adding to 20	RM 0480	More counting back
RM 0476	Subtracting within 20	RM 0481	Counting in 10s
RM 0477	Counting on	RM 0482	Counting back in 10s

**MEGAMATHS (RADIO)**

BBC 15mins age: 7-9 2009

RQ 218	Money	RQ 222	Time
RQ 219	Length	RQ 223	Fractions
RQ 220	Weight	RQ 224	Decimals
RQ 221	Capacity	RQ 225	All the problems

**MEGAMATHS: MENTAL MATHS YEAR 3 (RADIO)**

BBC 15mins age: 7-8

*A series using a quiz format, which illustrates aspects of maths using music, sound effects and lively situations.*

RP 0060	Counting forwards	RL 0123	Counting skills
RP 0061	Counting backwards	RL 0124	Addition bonds to 20
RP 0062	2, 5 and 10	RL 0125	Subtraction bonds to 20
RP 0063	Adding on small numbers	RL 0126	Multiplication by 2, 5 and 10
RP 0064	Taking away small numbers	RL 0127	Division by 2, 5 and 10
RP 0065	Close differences	RL 0128	Multiplication by 3 and 4
RP 0066	Doubles	RL 0129	Division by 3 and 4
RP 0067	Halves	RL.0130	Complements to 100
RP 0068	Money	RL 0131	Additions to 100
RP 0069	Measurement	RL 0132	Subtractions within 100

**MATHS ADVENTURE (RADIO)**

BBC 15 mins age: 7-11

*A resource to help children consolidate mental maths skills in quiz form linked to KS2B.***YEAR 3**

RM 0110	Addition and subtraction	RM 0114	Measurement
RM 0111	Multiplication and division	RM 0115	All sorts of problems
RM 0112	Fractions, decimals and percentages	RM 0113	Big numbers

**YEAR 5**

RM 0116	Addition and subtraction	RM 0119	Big numbers
RM 0117	Multiplication and division	RM 0120	Measurement
RM 0118	Fractions, decimals and percentages	RM 0121	All sorts of problems

**YEAR 6**

RM 0122	Addition and subtraction	RM 0125	Big numbers
RM 0123	Multiplication and division	RM 0126	Measurement
RM 0124	Fractions, decimals and percentages	RM 0127	All sorts of problems

**YEAR 4**

RM 0427	Addition and subtraction	RM 0430	Big numbers
RM 0428	Multiplication and division	RM 0431	Measurement
RM 0429	Fractions, decimals and percentages	RM 0432	All sorts of problems

**RADIO 3-2-1 (RADIO)**

BBC 20 mins age: 8-10

*Imagine a zany local radio station dedicated to having fun with maths! New storylines each episode challenge 8-10 year olds to solve arithmetical problems.*

RO 0099	A big day in mount school	RO 0104	Shopping at the supermarket
RO 0100	More trouble at mount school	RO 0105	Watch out for Nick numbers
RO 0101	Full up at the garage	RO 0106	Crazy camping trip
RO 0102	Jamie gets green fingers	RO 0107	Circus capers
RO 0103	Rhonda races to the airport	RO 0108	Save radio 3-2-1

**MATHS CHALLENGE: MENTAL MATHS 1 (RADIO)**

BBC 15 mins age: 9-11

*Interactive games and puzzles to make mental arithmetic fun!*

RN 0071	Multiplication	RN 0075	Complementary addition
RN 0072	Division factors	RN 0076	Rounding numbers up and down
RN 0073	Addition and subtraction of the number 9	RN 0077	Calculating with large numbers
RN 0074	Adding and subtracting two digit numbers	RN 0078	Multiplying with zeros
		RN 0079	Dividing tenths and hundreds
		RN 0080	Equivalent factors

**MATHS CHALLENGE: MENTAL MATHS 2 (RADIO)**

BBC2 15 mins age: 9-11

*Build confidence in mental calculations.*

RM 0443	Multiplication	RM 0448	Rounding and approximating
RM 0444	Division	RM 0449	Calculating with large numbers
RM 0445	Addition and subtraction	RM 0450	Calculating with zeros
RM 0446	Calculating with two digit numbers	RM 0451	Tenths and hundreds
RM 0447	Complementary addition	RM 0452	Fractions

**MATHS CHALLENGE: MENTAL MATHS 3 (RADIO)**

BBC2 15 mins age: 9-11

*Programmes which allow children to use mathematical mental operations to arrive at a target number, for use individually or in class teams.*

RM 0694	Multiplication and division bonds to 10	RM 0699	Complements
RM 0695	Fraction and dividing	RM 0700	Rounding up and down
RM 0696	Zeroing in – large numbers	RM 0701	Percentages
RM 0697	Decimals	RM 0702	Working with large numbers
RM 0698	Doubles and halves	RM 0703	Ordering numbers and number patterns

**MATHS CHALLENGE: MENTAL MATHS 4 (RADIO)**

BBC 15mins age: 9-11

*Interactive games and puzzles to make mental arithmetic fun!*

RP 0290	Addition and subtraction	RP 0295	Percentages
RP 0291	Multiplication	RP 0296	Rounding up and down
RP 0292	Division	RP 0297	Big numbers
RP 0293	Fractions	RP 0298	Measurement
RP 0294	Decimals	RP 0299	All the problems

**MATHS CHALLENGE: MENTAL BOOSTER YEAR 5 (RADIO)**

BBC 15mins age: 9-10

*Maths practice for year five using quick-fire questions and quizzes.*

RN 0636	Halving and doubling	RN 0639	Adding near multiples of 10 and 100
RN 0637	Multiples and multiplying		
RN 0638	Tens and hundreds	RN 0640	Subtracting near multiples of 10 and 100

**MATHS CHALLENGE: MENTAL BOOSTER YEAR 6 (RADIO)**

BBC 15 mins age: 9-11

*Programmes which give support in mental maths teaching which is suitable for practice work by individuals and groups.*

RK 0441	Number quickies	RK 0446	Percentages
RK 0442	Multiples and factors	RK 0447	Negative numbers
RK 0443	Special numbers	RK 0448	Decimals
RK 0444	Knowing fractions	RK 0449	Equations
RK 0445	Divisions and fractions	RK 0450	Number knowledge