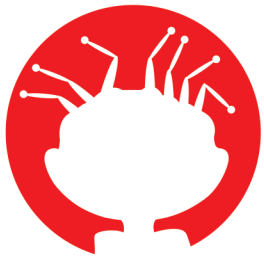
Big Maths

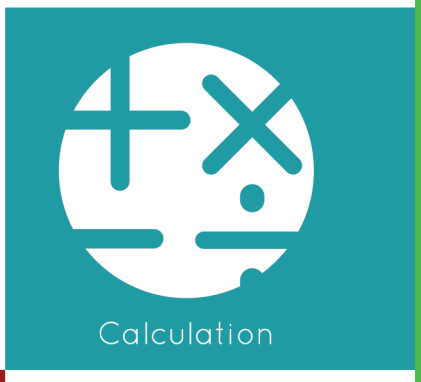
Year 2

Termly Learning Objectives


Counting

Learn Its


It's Nothing New


Calculation


Shape


Amounts


Fractions


Explaining Data

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Basic Skills

Progress Drive	Step	Statement	✓
Reading Numbers	5	I can read 3d multiples of 100	
Place Value	1	I can partition a 2d number	
Mastery of Numbers	2	I can understand numbers to 20	
Counting Multiples	3	I can count in 2s	
Count Along in 4 Ways	100s	100s	
Learn Its	7	3+8 3+9 4+7 4+8 4 + 9 10x table	
Swapping the Units	1	Swap 'the thing' to another object	
INN: Addition and Subtraction	1	I can add tens	
Doubling with Pim (without crossing 10)	3	I can double 2d numbers	
Doubling with Pim (with crossing 10)	2	I can double 2d multiples of 10	
Halving with Pim	2	I know half of 30, 50, 70, 90	
INN: Number Bonds to 10	1	I can find the missing piece to 10	
INN: Fact Families	2	I can turn 1d + 1d facts into multiples of 10	
Addition	13	I can add 1 to a 2d number	
	14	I can add 10 to a 2d tens number	
	15	I can add 10 to any 2d number	
Subtraction	13	I can take 10 from a multiple of 10	
	14	I can take 10 from a 2d number	
	15	I can take a multiple of 10 from a multiple of 10	
Multiplication	7	I can write out repeated addition	
	8	I can solve repeated addition	
Division	12	I can find how many altogether by counting in 2s, 5s or 10s	

Wider Maths

Progress Drive	Step	Statement	✓
Explore and Draw	8	I can reflect a simple rectangle when given a vertical line of symmetry	
2D Shapes	13	I can recognise many different types of familiar 2D shapes	
3D Shapes	10	I can recognise many different types of familiar 3D shapes	
Position and Direction	11	I can understand 'anti-clockwise' as a direction of turn	
Amounts of Distance	6	I can compare amounts of distance, using words and numbers, in lots of different practical contexts	
Amounts of Mass	6	I can compare amounts of mass, using words and numbers, in lots of different practical contexts	
Amounts of Money	8	I can use coins to make totals up to 100p	
Amounts of Space	6	I can compare amounts of space, using words and numbers, in lots of different practical contexts	
Amounts of Temperature	5	I can use a range of words to describe temperature	
Amounts of Time	14	I know there are 24 hours in a day	
	15	I can count in 5 mins and know there are 60 minutes in an hour	
	16	I know there are 60 seconds in a minute	
Amounts of Time: Telling the Time	5	I can read, write and draw quarter past and quarter to	
	6	I can read a digital clock	
Amounts of Turn	4	I know that the word angle describes amount of turn	
Fractions of a Whole	8	I can find how many quarters	
Fractions of a Set	5	I can find a quarter of a set of objects by sharing	
Fractions: Learn Its	1	I know my finger doubles as fractions Learn Its	
Ratio	1	I can show appreciation of a fixed number relationship	
Diagrams and Tables	13	I can read a simple table	
	14	I can explain that a picture represents a quantity	
	15	I can explain a range of pictograms	

Wider Maths (Continued)

Progress Drive	Step	Statement	✓
Bar Charts	2	I can explain counting towers	
Line Graphs	1	I can track my own Big Maths Beat That! scores with a block graph	
Pattern Spotting	8	I understand the pattern of odd and even numbers	
Algebra	2	I know symbols can represent unknown numbers	
Prove It!	1	I can Prove It! - 1	

Basic Skills

Progress Drive	Step	Statement	✓
Reading Numbers	6	I can read 3d numbers	
Place Value	1	I can partition a 2d number	
Mastery of Numbers	2	I can understand numbers to 20	
Counting Multiples	3	I can count in 2s	
Count Along in 4 Ways	50s, 500s, 5000s, 1/2s	50s 500s 5000s 1/2s	
Learn Its	8	5+4 5+6 6+7 8+7 8+9 5x table	
Swapping the Units	1	Swap 'the thing' to another object	
INN: Addition and Subtraction	2	I can add hundreds	
Doubling with Pim (without crossing 10)	3	I can double 2d numbers	
Doubling with Pim (with crossing 10)	2	I can double 2d multiples of 10	
Halving with Pim	2	I know half of 30, 50, 70, 90	
INN: Number Bonds to 10	2	I can find the missing piece to the next multiple of 10	
INN: Finding Multiples	1	I can find Mully using my tables	
INN: Fact Families	2	I can turn 1d + 1d facts into multiples of 10	
Addition	16	I can add a 1d number to a 2d tens number	
	17	I can solve 2d + 1d	
	18	I can add a 2d tens number to another one	
	19	I can solve any 1d + 1d in my head	
Subtraction	16	I can take a 1d number from a multiple of 10	
	17	I can solve 2d - 1d	
	18	I can solve any 2d - 1d	
	19	I can solve any 3d - 1d	
Multiplication	8	I can solve repeated addition	

Basic Skills (Continued)

Progress Drive	Step	Statement	✓
Division	13	I can arrange a division number sentence	
	14	I can solve a division number sentence with objects	
	15	I can solve division, using objects (with remainders)	

Wider Maths

Progress Drive	Step	Statement	✓
Explore and Draw	9	I can reflect a simple 2D shape when given a vertical line of symmetry	
	10	I can identify a vertical line of symmetry in a 2D shape	
2D Shapes	14	I can recognise a quadrilateral and a hexagon	
	15	I can recognise a pentagon and an octagon	
	16	I can recognise a heptagon and understand the word 'polygon'	
3D Shapes	11	I understand edges, vertices and faces	
	12	I can describe 3D shapes using different properties	
	13	I can spot 2D shapes as faces on 3D shapes	
Position and Direction	12	I can move an object up or down a track, given the number of spaces	
Amounts of Distance	6	I can compare amounts of distance, using words and numbers, in lots of different practical contexts	
Amounts of Mass	6	I can compare amounts of mass, using words and numbers, in lots of different practical contexts	
Amounts of Money	9	I know that £1 has the same value as 100p	
	10	I know that amounts over £1 can be written as 125p or '£1 and 25p'	
Amounts of Space	6	I can compare amounts of space, using words and numbers, in lots of different practical contexts	
Amounts of Temperature	6	I can use a thermometer to measure the temperature	
	7	I know that we measure temperature in degrees Celsius	
Amounts of Time	16	I know there are 60 seconds in a minute	
Amounts of Time: Telling the Time	6	I can read a digital clock	
Amounts of Turn	4	I know that the word angle describes amount of turn	
Fractions of a Whole	8	I can find how many quarters	
Fractions of a Set	5	I can find a quarter of a set of objects by sharing	

Wider Maths (Continued)

Progress Drive	Step	Statement	✓
Fractions: Counting	1	I can count in halves	
	2	I can count in halves and record my counting as a mixed number	
	3	I can count in halves and record as a mixed number and improper fraction	
Fractions: Learn Its	1	I know my finger doubles as fractions Learn Its	
Ratio	1	I can show appreciation of a fixed number relationship	
Diagrams and Tables	16	I can explain pictograms with half pictures	
Bar Charts	3	I can read a bar chart	
Line Graphs	1	I can track my own Big Maths Beat That! scores with a block graph	
Pattern Spotting	8	I understand the pattern of odd and even numbers	
Algebra	3	I understand that = means the same amount as	
Prove It!	1	I can Prove It! - 1	

Basic Skills

Progress Drive	Step	Statement	✓
Reading Numbers	6	I can read 3d numbers	
Place Value	1	I can partition a 2d number	
Mastery of Numbers	3	I can understand 2d numbers	
Counting Multiples	4	I can count in 3s	
Count Along in 4 Ways	20s, 200s, 2000s, 1/4s	20s 200s 2000s 1/4s	
Counting Along Scales	1	I can count along when the numbers are written in	
Learn Its	9	5+7 5+8 5+9 6+8 6+9 7+9 2x table	
Swapping the Units	1	Swap 'the thing' to another object	
INN: Addition and Subtraction	3	I can add thousands	
Doubling with Pim (without crossing 10)	3	I can double 2d numbers	
Doubling with Pim (with crossing 10)	3	I can double 2d numbers	
Halving with Pim	3	I know half of 300, 500, 700, 900	
INN: Number Bonds to 10	3	I can find the missing piece to 100	
Multiplying by 10	1	I can multiply whole numbers by 10	
Dividing by 10	1	I can divide multiples of 10 by 10	
Coin Multiplication	1	I can complete a 1, 10 card	
	2	I can complete a 1, 2, 5, 10 card	
INN: Finding Multiples	1	I can find Mully using my tables	
INN: Fact Families	3	I know the Fact Family when given a single addition fact	
	4	I know the Fact Families for 1d x 1d facts	

Basic Skills (Continued)

Progress Drive	Step	Statement	✓
Addition	20	I can solve any 2d + 1d	
	21	I can add any 2d tens number to another one	
	22	I can add a 2d tens number to a 2d number	
	23	I can add any 2d tens number to a 2d number	
	24	I can add a 2d number to a 2d number	
Subtraction	20	I can spot the next multiple of 10	
	21	I can count to the next multiple of 10	
	22	I know the gap to the next multiple of 10	
	23	I know the 1d gap from a multiple of 10	
	24	I know the total gap across a multiple of 10	
	25	I can take a multiple of 10 from any 2d number	
	26	I can find the 2 gaps in a 2d - 2d question	
	27	I can solve any 2d - 2d	
Multiplication	9	I can solve 1d x 1d (2, 3, 4, 5x tables)	
Division	16	I can use a Tables Fact to find a division fact (2, 3, 4, 5x tables)	
	17	I can use a Tables Fact to find a division fact (with remainders) (2, 3, 4, 5x tables)	
Addition - Column Methods	1	I can solve a 2d + 2d	
Subtraction - Column Methods	1	I can solve a 2d - 2d	

Wider Maths

Progress Drive	Step	Statement	✓
Explore and Draw	11	I can draw straight lines	
	12	I can draw lines to the nearest centimetre	
	13	I can draw simple shapes	
	14	I can draw lines to the nearest half centimetre	
2D Shapes	17	I can compare and sort many 2D shapes	
3D Shapes	14	I know 'The Pyramid Family'	
	15	I know 'The Prism Family'	
	16	I can compare and sort 3D shapes	
Position and Direction	12	I can move an object up or down a track, given the number of spaces	
Amounts of Distance	7	I can compare descriptions of distance in practical contexts and record the comparisons with symbols	
	8	I can measure distance using metres	
	9	I can measure distance using centimetres	
	10	I can choose to count in metres or centimetres by seeing what makes most sense	
Amounts of Mass	7	I can compare descriptions of mass in practical contexts and record the comparisons with symbols	
	8	I can measure mass using grams	
	9	I can measure mass using kilograms	
	10	I can choose to measure in kilograms or grams by seeing what makes most sense	
Amounts of Money	11	I can give change from a pound	
	12	I can use all of my CLIC steps, so far, in the context of money (involving either pounds or pence)	

Wider Maths (Continued)

Progress Drive	Step	Statement	✓
Amounts of Space	7	I can compare descriptions of capacity in practical contexts and record the comparisons with symbols	
	8	I can measure capacity using litres	
	9	I can measure capacity using millilitres	
	10	I can choose to measure in litres or millilitres by seeing what makes most sense	
Amounts of Temperature	7	I know that we measure temperature in degrees Celsius	
Amounts of Time	17	I can say the months of the year	
	18	I know all about an hour	
	19	I can place different periods of time in order	
Amounts of Time: Telling the Time	7	I can count in 5s around a clock face	
	8	I can tell the time!	
Amounts of Turn	5	I can recognise that a quarter turn is a right angle	
	6	I can use right angles in practical contexts	
Fractions of a Whole	8	I can find how many quarters	
Fractions of a Set	6	I can find fractions of amounts by sharing and then counting (1 part only)	
	7	I can reword my division success as fractions	
	8	I can find fractions of amounts by sharing and then counting (2 or more parts)	
Fractions: Counting	4	I can count in quarters	
	5	I can count in quarters and record as halves	
Fractions: Learn Its	2	I know 1/2 = 2/4	
	3	I can quickly write out my fractions Learn Its 1/2 of 10=5 1/2 of 8=4 1/2 of 6=3 1/2 of 4=2 1/2 of 2=1	
	4	I know all of my x2, x5 and x10 tables as fractions Learn Its	

Wider Maths (Continued)

Progress Drive	Step	Statement	✓
Fractions: It's Nothing New	1	I can swap 'the thing' to a fraction	
	2	I can add halves	
	3	I can add and subtract halves, quarters and thirds	
Ratio	2	I can use fixed number relationships in my learning	
Diagrams and Tables	16	I can explain pictograms with half pictures	
Bar Charts	3	I can read a bar chart	
Line Graphs	1	I can track my own Big Maths Beat That! scores with a block graph	
Pattern Spotting	9	I can spot and extend more challenging patterns of shapes	
Algebra	3	I understand that = means the same amount as	
Prove It!	2	I can Prove It! - 2	