

## BANSAL Math Elementary - E1

BANSAL Math Elementary - E1		
Strategies		Class Number
24-Aug	<b>Fall - Placement Test</b>	
31-Aug	Labor Day Break	
7-Sep	Addition Introduction	Class 1
14-Sep	Addition (6,7,8,9,10) No Carry Over	Class 2
21-Sep	Place value	Class 3
28-Sep	Addition 2 Digits no carry over	Class 4
5-Oct	Addition 2 Digits with carry over	Class 5
12-Oct	Mid Term Test	Class 6
19-Oct	Subtraction Introduction	Class 7
26-Oct	Subtraction without Borrow	Class 8
2-Nov	Subtraction with Borrow I	Class 9
9-Nov	Subtraction with Borrow II	Class 10
16-Nov	<b>Winter - Placement Test</b>	
23-Nov	Comparision I	
30-Nov	Thanks Giving Break	Class 1
7-Dec	Comparision II	Class 2
14-Dec	Advanced Additions / Subtractions	Class 3
21-Dec	X-Mas Break	
28-Dec	X-Mas Break	
4-Jan	Skip counting	Class 4
11-Jan	Multiplication Introduction	Class 5
18-Jan	Mid Term Test	Class 6
25-Jan	Multiplication (3,4)	Class 7
1-Feb	BANSAL Math Competition I	Class 8
8-Feb	Multiplication (7,8,9)	Class 9
15-Feb	Add. Subtr. Multi. Review	Class 10
22-Feb	Winter Break	
29-Feb	<b>Spring - Placement Test</b>	
7-Mar	Division Introduction	Class 1
14-Mar	Division 1,2,3	Class 2
21-Mar	Division 4,5,6	Class 3
28-Mar	Spring Break	Class 4
4-Apr	Division 7,8,9	Class 5
11-Apr	Review and Mid Term Test	Class 6
18-Apr	Patterns Introduction	
25-Apr	Geometry	Class 7
2-May	Even and Odd Numbers	Class 8
9-May	BANSAL Math Competition I	Class 9
16-May	Problem Solving	Class 10
23-May	Memorial Day Break	
30-May	Summer Break	
6-Jun	Summer Break	
13-Jun	Summer Break	
20-Jun	Summer Break	
27-Jun	July 4th Break	
4-Jul	<b>Summer - Placement Test</b>	
11-Jul	Money	Class 1
18-Jul	Time	Class 2
25-Jul	Pattern	Class 3
1-Aug	Geometry	Class 4
8-Aug	Calendar	Class 5

### Each Class Structure

Task	Minute
Practice Problems	10
Tables 2 - 10	5
New Strategy	35
Home Work Problems	10

## BANSAL Math Elementary - E2

Strategies		Class Number
24-Aug	<b>Fall - Placement Test</b>	
31-Aug	Labor Day Break	
7-Sep	Number Systems - Place Value	Class 1
14-Sep	Advanced Addition	Class 2
21-Sep	Advanced Subtraction	Class 3
28-Sep	Comparisons	Class 4
5-Oct	Skip Counting	Class 5
12-Oct	Multiplication - Basic	Class 6
19-Oct	Review and Mid Term Test	Class 7
26-Oct	Multiplication - Advanced/Perfect Squares	Class 8
2-Nov	Money I	Class 9
9-Nov	Money II	Class 10
16-Nov	<b>Winter - Placement Test</b>	
23-Nov	Odd and Even Numbers	
30-Nov	Thanks Giving Break	Class 1
7-Dec	Addition / Subtraction / Multiplication	Class 2
14-Dec	Picture and Line Graph	Class 3
21-Dec	X-Mas Break	
28-Dec	X-Mas Break	
4-Jan	Measurement I	Class 4
11-Jan	Geometry / Shapes	Class 5
18-Jan	Bansal Math Competition I	Class 6
25-Jan	Division I	Class 7
1-Feb	Division II	Class 8
8-Feb	Decimals	Class 9
15-Feb	Patterns	Class 10
22-Feb	Winter Break	
29-Feb	<b>Spring - Placement Test</b>	
7-Mar	Calendar - I	Class 1
14-Mar	Calendar - II	Class 2
21-Mar	Critical Thinking Problems/Problem Solving	Class 3
28-Mar	Spring Break	Class 4
4-Apr	Graphs	Class 5
11-Apr	Review and Mid Term Test	Class 6
18-Apr	Area & Perimeter I	
25-Apr	Area & Perimeter II	Class 7
2-May	Measurement - I	Class 8
9-May	BANSAL Math Competition I	Class 9
16-May	Distributive Property I	Class 10
23-May	Memorial Day Break	
30-May	Summer Break	
6-Jun	Summer Break	
13-Jun	Summer Break	
20-Jun	Summer Break	
27-Jun	Summer Break	
4-Jul	<b>Summer - Placement Test</b>	
11-Jul	Use or Look for a pattern	Class 1
18-Jul	Work Backwards	Class 2
25-Jul	Make it simpler	Class 3
1-Aug	Brainstorm	Class 4
8-Aug	Probability	Class 5

### Each Class Structure

Task	Minute
Practice Problems	20
Tables 1 - 20	15
New Strategy	40
Home Work Problems	15

## BANSAL Math Elementary - E3

Strategies		Class Number
24-Aug	<b>Fall - Placement Test</b>	
31-Aug	Labor Day Break	
7-Sep	Skip counting	Class 1
14-Sep	Multiplications- I	Class 2
21-Sep	Multiplications- II	Class 3
28-Sep	Number Patterns	Class 4
5-Oct	Perfect Squares	Class 5
12-Oct	Review and Mid Term Test	Class 6
19-Oct	Calendar	Class 7
26-Oct	Time I	Class 8
2-Nov	Time II	Class 9
9-Nov	Order of operations I	Class 10
16-Nov	<b>Winter - Placement Test</b>	
23-Nov	Order of operations II	
30-Nov	Thanks Giving Break	Class 1
7-Dec	Variables I	Class 2
14-Dec	Graph	Class 3
21-Dec	X-Mas Break	
28-Dec	X-Mas Break	
4-Jan	Division I	Class 4
11-Jan	Division II	Class 5
18-Jan	Mid Term Test	Class 6
25-Jan	Decimals I	Class 7
1-Feb	Decimals II	Class 8
8-Feb	Distributive Properties	Class 9
15-Feb	Geometry	Class 10
22-Feb	Winter Break	
29-Feb	<b>Spring - Placement Test</b>	
7-Mar	Area and Perimeter	Class 1
14-Mar	Fractions I	Class 2
21-Mar	Fractions II	Class 3
28-Mar	Spring Break	Class 4
4-Apr	Factors/GCF Introduction	Class 5
11-Apr	Use or Look for a pattern	Class 6
18-Apr	Measurement	
25-Apr	Estimations	Class 7
2-May	Make an organized list	Class 8
9-May	BANSAL Math Competition I	Class 9
16-May	Use or Make a Table	Class 10
23-May	Memorial Day Break	
30-May	Summer Break	
6-Jun	Summer Break	
13-Jun	Summer Break	
20-Jun	Summer Break	
27-Jun	Summer Break	
4-Jul	<b>Summer - Placement Test</b>	
11-Jul	Use or Look for a pattern	Class 1
18-Jul	Work Backwards	Class 2
25-Jul	Make it simpler	Class 3
1-Aug	Brainstorm	Class 4
8-Aug	Probability	Class 5

Each Class Structure	
Task	Minute
Practice Problems	20
Tables 1 - 20	15
New Strategy	40
Home Work Problems	15

## BANSAL Math Elementary - E4

Strategies		Class Number
24-Aug	<b>Fall - Placement Test</b>	
31-Aug	Labor Day Break	
7-Sep	Factors and Prime Numbers	Class 1
14-Sep	Fractions with Operations - Applications	Class 2
21-Sep	Trial and Error	Class 3
28-Sep	Finding a Pattern I	Class 4
5-Oct	Finding a Pattern II	Class 5
12-Oct	Review and Mid Term Test	Class 6
19-Oct	GCF	Class 7
26-Oct	LCM	Class 8
2-Nov	Divisibility Rules I	Class 9
9-Nov	Divisibility Rules II	Class 10
16-Nov	<b>Winter - Placement Test</b>	
23-Nov	Basic Geometry / Angles	
30-Nov	Thanks Giving Break	Class 1
7-Dec	Divisibility Rules III	Class 2
14-Dec	Book Problems	Class 3
21-Dec	X-Mas Break	
28-Dec	X-Mas Break	
4-Jan	Making a Table	Class 4
11-Jan	Making an Organized List	Class 5
18-Jan	Review and Mid Term Test	Class 6
25-Jan	Working Backward	Class 7
1-Feb	Solving a Simpler Problem	Class 8
8-Feb	Critical Thinking Problems	Class 9
15-Feb	Probability	Class 10
22-Feb	Winter Break	
29-Feb	<b>Spring - Placement Test</b>	
7-Mar	Work Problems I	Class 1
14-Mar	Work Problems II	Class 2
21-Mar	Fractions and Decimals	Class 3
28-Mar	Spring Break	Class 4
4-Apr	Analytical Problems I	Class 5
11-Apr	Whod Units	Class 6
18-Apr	Review and Mid Term Test	
25-Apr	Simple Equations	Class 7
2-May	Venn Diagrams I	Class 8
9-May	Cryptarithms	Class 9
16-May	BANSAL Math Competition I	Class 10
23-May	Memorial Day Break	
30-May	Summer Break	
6-Jun	Summer Break	
13-Jun	Summer Break	
20-Jun	Summer Break	
27-Jun	Summer Break	
4-Jul	<b>Summer - Placement Test</b>	
11-Jul	Math League Test	Class 1
18-Jul	Continental Math League	Class 2
25-Jul	Math Olympiad Test	Class 3
1-Aug	Patterns	Class 4
8-Aug	Challenge Problems	Class 5

### Each Class Structure

Task	Minute
Math Olympiad Test	20
Solve Math Olympiad Test	15
New Strategy	40
Home Work Problems	15

<b>BANSAL Math Elementary - E5</b>		
<b>Strategies</b>		<b>Class Number</b>
24-Aug	<b>Fall - Placement Test</b>	
31-Aug	Labor Day Break	
7-Sep	Decimal Number Crunching	Class 1
14-Sep	Integers Number Crunching	Class 2
21-Sep	Counting and Logic I	Class 3
28-Sep	Review Divisibility and Analytical Problems	Class 4
5-Oct	Fraction Operations and Unit Fractions	Class 5
12-Oct	Mid Term Test	Class 6
19-Oct	Fractios II	Class 7
26-Oct	Geomtery I	Class 8
2-Nov	Number Sentences and Word Problems	Class 9
9-Nov	Word Problems	Class 10
16-Nov	<b>Winter - Placement Test</b>	
23-Nov	Averages I	
30-Nov	Thanks Giving Break	Class 1
7-Dec	Averages II	Class 2
14-Dec	Number Patterns and Sequences - I	Class 3
21-Dec	X-Mas Break	
28-Dec	X-Mas Break	
4-Jan	Number Patterns and Sequences - II	Class 4
11-Jan	Word Word Word Problems	Class 5
18-Jan	Mid-Term Test	Class 6
25-Jan	Time, Rate & Distance I	Class 7
1-Feb	Time, Rate & Distance II	Class 8
8-Feb	Geomtery II	Class 9
15-Feb	Word Problems from Mathcounts	Class 10
22-Feb	Winter Break	
29-Feb	<b>Spring - Placement Test</b>	
7-Mar	Counting and Logic II	Class 1
14-Mar	Percentage I	Class 2
21-Mar	Percentage II	Class 3
28-Mar	Spring Break	Class 4
4-Apr	Ratios I	Class 5
11-Apr	Ratios II	Class 6
18-Apr	Mid Term Test	
25-Apr	Review of all the Topics from E4 E5	Class 7
2-May	Year - 2 Math Olympiads Review	Class 8
9-May	Year - 2 CML Review	Class 9
16-May	BANSAL Math Competition I	Class 10
23-May	Memorial Day Break	
30-May	Summer Break	
6-Jun	Summer Break	
13-Jun	Summer Break	
20-Jun	Summer Break	
27-Jun	Summer Break	
4-Jul	<b>Summer - Placement Test</b>	
11-Jul	Math League Test	Class 1
18-Jul	Continental Math League	Class 2
25-Jul	Math Olympiad Test	Class 3
1-Aug	AMC8	Class 4
8-Aug	Gauss	Class 5

<b>Each Class Structure</b>	
Task	Minute
Math Olympiad Test	20
Solve Math Olympiad Test	15
New Strategy	40
Home Work Problems	15

## BANSAL Math Middle - M1

Strategies		Class Number
24-Aug	<b>Fall - Placement Test</b>	
31-Aug	Labor Day Break	
7-Sep	Equations I	Class 1
14-Sep	Equations II	Class 2
21-Sep	Average III	Class 3
28-Sep	LCM and GCF I	Class 4
5-Oct	LCM and GCF II	Class 5
12-Oct	Review and Mid Term Test	Class 6
19-Oct	Number Theory and General Math I	Class 7
26-Oct	Number Theory and General Math II	Class 8
2-Nov	Divisibility Advanced	Class 9
9-Nov	AMC 8 Problem Solving	Class 10
16-Nov	<b>Winter - Placement Test</b>	
23-Nov	Area Perimeter Triangles Rectangles	
30-Nov	Thanks Giving Break	Class 1
7-Dec	Area Perimeter of Complex Shapes	Class 2
14-Dec	Ratios III	Class 3
21-Dec	X-Mas Break	
28-Dec	X-Mas Break	
4-Jan	Sequence and Series I AP	Class 4
11-Jan	Sequence and Series II GP	Class 5
18-Jan	Review and Mid Term Test	Class 6
25-Jan	Exponents and Radicals	Class 7
1-Feb	Vedic Math and General Math	Class 8
8-Feb	Percentage III	Class 9
15-Feb	Statistics Mean Mode Median Range	Class 10
22-Feb	Winter Break	
29-Feb	<b>Spring - Placement Test</b>	
7-Mar	Permutation	Class 1
14-Mar	Combination	Class 2
21-Mar	Problem Solving with Circles	Class 3
28-Mar	Spring Break	Class 4
4-Apr	Charts and Graph	Class 5
11-Apr	Math Counts Questions / Probability	Class 6
18-Apr	Review and Mid Term Test	
25-Apr	Inequalities I	Class 7
2-May	Inequalities II	Class 8
9-May	BANSAL Math Competition I	Class 9
16-May	GAUSS	Class 10
23-May	Memorial Day Break	
30-May	Summer Break	
6-Jun	Summer Break	
13-Jun	Summer Break	
20-Jun	Summer Break	
27-Jun	Summer Break	
4-Jul	<b>Summer - Placement Test</b>	
11-Jul	Math Count Exam Review	Class 1
18-Jul	Gauss Exam Review	Class 2
25-Jul	AMC 8 Exam Review	Class 3
1-Aug	Math Olympiad Exam Review	Class 4
8-Aug	SAT and ACT Exam Review	Class 5

### Each Class Structure

Task	Minute
Math Competitions	20
Solve Math Competitions	15
New Strategy	40
Home Work Problems	15

<b>BANSAL Math Middle - M2</b>		
	<b>Strategies</b>	<b>Class Number</b>
24-Aug	<b>Fall - Placement Test (Algebra Focus)</b>	
31-Aug	Labor Day Break	
7-Sep	Quadratic Equations I	Class 1
14-Sep	Quadratic Equations II	Class 2
21-Sep	Polygons	Class 3
28-Sep	Exponents and Radicals II	Class 4
5-Oct	Logarithm and Modern Math I	Class 5
12-Oct	Review and Mid Term Test	Class 6
19-Oct	Percentage IV	Class 7
26-Oct	Functions I	Class 8
2-Nov	Functions II	Class 9
9-Nov	Graphing of Functions	Class 10
16-Nov	<b>Winter - Placement Test (Geometry Focus)</b>	
23-Nov	Triangles a.k.a. Geometry I	
30-Nov	Thanks Giving Break	Class 1
7-Dec	Triangles a.k.a. Geometry II	Class 2
14-Dec	Triangles a.k.a. Geometry III	Class 3
21-Dec	X-Mas Break	
28-Dec	X-Mas Break	
4-Jan	Selected Questions from Mathcounts	Class 4
11-Jan	Quadrilaterals	Class 5
18-Jan	Review and Mid Term Test	Class 6
25-Jan	Angles I	Class 7
1-Feb	Angles II	Class 8
8-Feb	Questions from Circles	Class 9
15-Feb	The Power of Coordinates	Class 10
22-Feb	Winter Break	
29-Feb	<b>Spring - Placement Test</b>	
7-Mar	Inequalities I	Class 1
14-Mar	Graphing of Inequalities	Class 2
21-Mar	Permutation and Combination	Class 3
28-Mar	Spring Break	Class 4
4-Apr	Probability	Class 5
11-Apr	Composite Areas	Class 6
18-Apr	Review and Mid Term Test	
25-Apr	Geometry and Number Theory	Class 7
2-May	GAUSS Problem Solving	Class 8
9-May	BANSAL Math Competition II	Class 9
16-May	Gauss Test	Class 10
23-May	Memorial Day Break	
30-May	Summer Break	
6-Jun	Summer Break	
13-Jun	Summer Break	
20-Jun	Summer Break	
27-Jun	Summer Break	
4-Jul	<b>Summer - Placement Test</b>	
11-Jul	Math Count Exam Review	Class 1
18-Jul	Gauss Exam Review	Class 2
25-Jul	AMC 8 Exam Review	Class 3
1-Aug	Math Olympiad Exam Review	Class 4
8-Aug	SAT and ACT Exam Review	Class 5

<b>Each Class Structure</b>	
Task	Minute
Math Competions	20
Solve Math Competions	15
New Strategy	40
Home Work Problems	15

### BANSAL Math Middle - M3

Strategies		Class Number
24-Aug	<b>Fall - Placement Test</b>	
31-Aug	Labor Day Break	
7-Sep	Polynomials - I	Class 1
14-Sep	Polynomials - II	Class 2
21-Sep	Vertex of a Quadratic Function	Class 3
28-Sep	Trigonometry - I	Class 4
5-Oct	Trigonometry - II	Class 5
12-Oct	Review and Mid Term Test	Class 6
19-Oct	Arithmetic Series	Class 7
26-Oct	Geometric Series	Class 8
2-Nov	Graph of Linear Quadratic and Exponent	Class 9
9-Nov	Misc and Challenge Problems	Class 10
16-Nov	<b>Winter - Placement Test</b>	
23-Nov	Polygons	
30-Nov	Thanks Giving Break	Class 1
7-Dec	Permutation Combination Probability	Class 2
14-Dec	Questions from Mathcounts	Class 3
21-Dec	X-Mas Break	
28-Dec	X-Mas Break	
4-Jan	System of Equations	Class 4
11-Jan	Binomial Theoram	Class 5
18-Jan	Review and Mid Term Test	Class 6
25-Jan	Advanced Triangles and Rectangles	Class 7
1-Feb	Special Factorization	Class 8
8-Feb	Three dimensional Geometry	Class 9
15-Feb	Continous Problems	Class 10
22-Feb	Winter Break	
29-Feb	<b>Spring - Placement Test</b>	
7-Mar	Logarithim and Modem Math II	Class 1
14-Mar	SAT - Class I	Class 2
21-Mar	SAT - Class II	Class 3
28-Mar	Spring Break	
4-Apr	SAT - Class III	Class 4
11-Apr	Functions III	Class 5
18-Apr	Review and Mid Term Test	Class 6
25-Apr	Functions IV	Class 7
2-May	Translations Stretches Compression Reflection	Class 8
9-May	Bansal Math Competition II	Class 9
16-May	Gauss Test	Class 10
23-May	Memorial Day Break	
30-May	Summer Break	
6-Jun	Summer Break	
13-Jun	Summer Break	
20-Jun	Summer Break	
27-Jun	Summer Break	
4-Jul	<b>Summer - Placement Test</b>	
11-Jul	Math Count Exam Review	Class 1
18-Jul	Gauss Exam Review	Class 2
25-Jul	AMC 8 Exam Review	Class 3
1-Aug	Math Olympiad Exam Review	Class 4
8-Aug	SAT and ACT Exam Review	Class 5

### Each Class Structure

Task	Minute
Math Competions	20
Solve Math Competions	15
New Strategy	40
Home Work Problems	15

**BANSAL Math - High School - Algebra II**

	<b>Strategies</b>	<b>Class Number</b>
31-Aug	Labor Day Break	
8-Sep	Linear Functions	Class 1
15-Sep	Quadratic Functions	Class 2
22-Sep	Quadratic Equation and Complex Numbers	Class 3
29-Sep	Polynomial Functions	Class 4
6-Oct	Conic Sections	Class 5
13-Oct	Rational Exponents and Radical Functions	Class 6
20-Oct	Exponential and Logarithmic Functions	Class 7
27-Oct	Trigonometry I	Class 8
3-Nov	Trigonometric Identities	Class 9
10-Nov	Counting Methods and Probability	Class 10
17-Nov	Statistics and Data Analysis	Class 11
24-Nov	Sequences and Series	Class 12
1-Dec	Thanks Giving Break	
8-Dec	Review of all Topics	Class 13
15-Dec	Final Test Two hours	Class 14

**BANSAL Math - High School - Geometry****Strategies****Class Number****Book: Geometry by Larson Boswell Kanold Stiff**

31-Aug	Labor Day Break	
8-Sep	Essentials of Geometry	Class 1
15-Sep	Parallel Perpendicular Lines	Class 2
22-Sep	Congruent Triangles	Class 3
29-Sep	Relationships within Triangles	Class 4
6-Oct	Similarity	Class 5
13-Oct	Right Triangles and Trigonometry	Class 6
20-Oct	Quadrilateral I	Class 7
27-Oct	Quadrilateral II	Class 8
3-Nov	Transformations	Class 9
10-Nov	Circles	Class 10
17-Nov	Perimeter and Area	Class 11
24-Nov	Surface Area and Volume	Class 12
1-Dec	Thanks Giving Break	
8-Dec	Review of all Topics	Class 13
15-Dec	Final Test Two hours	Class 14

**BANSAL Math - High School - PreCalculus**

<b>Strategies</b>		<b>Class Number</b>
<b>Book: PreCalculus with Limits by Larson</b>		
31-Aug	Labor Day Break	
8-Sep	Functions and Their Graph	Class 1
15-Sep	Polynomial and Rational Functions	Class 2
22-Sep	Exponential and Logarithmic Functions	Class 3
29-Sep	Trigonometry	Class 4
6-Oct	Analytical Trigonometry	Class 5
13-Oct	Systems of Equations and Inequalities	Class 6
20-Oct	Matrices and Determinants	Class 7
27-Oct	Sequence Series and Probability	Class 8
3-Nov	Conics I	Class 9
10-Nov	Conics II	Class 10
17-Nov	Polar Coordinates	Class 11
24-Nov	Limits and Introduction to Calculus	Class 12
1-Dec	Thanks Giving Break	
8-Dec	Review of all Topics	Class 13
15-Dec	Final Test Two hours	Class 14