Sadlier DECODE & DISCOVER Series

Math Foundations

with Kateri Thunder

SCOPE & SEQUENCE

Levels K–C

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Sadlier School

Math Foundations Level K Scope & Sequence

Text Title	Math Domain/Skill	Phonics Skill	Topic and Genre/ Text Format	Review High-Frequency Words	Academic Vocabulary and Math Words	Knowledge-Building Topic
Level K **Shape Map**	Geometry: 2D and 3D Shapes	Short a; Consonants m, s, t, p	Earth and Space Science: Globes and Maps Mixed Media	I, can, see, a, on, the, like, to	plane figure; shape	globes and maps
Level K **Cam Can Count!**	Number Sense: Numbers 0–10	Short a, i; Consonants m, s, t, p, n, c, f, d	Literature: Fantasy	on, the, can, is, it, see, yes, to	one more; count	fairy tales
Level K **How Many?**	Data Analysis and Probability: Tables, Graphs	Short a, i, o; Consonants m, s, t, p, n, f, h, r, b , l	Life Science: Animal Bodies and Movement Infographics	yes, no, do, are, you, this, or, what	graph; how many	animals and how they move
Level K **See It, Say It, Ask It**	Operations and Algebraic Thinking: Subtraction Readiness	Short a, i, o, e	Physical Science: Motion Notice and Wonder Math Routine	what, do, you, see, we, have, one, with	subtract; subtraction, less than	subtraction and motion
Level K **Which Pet Would You Get?**	Measurement: Length, Weight, Capacity	Short u; Long e, a, o, i	Economics: Jobs and Technology Infographics	what, very, this, too, where, play, little, your	measure; same, size, many, tall	occupations: veterinarian

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Math Foundations Level A Scope & Sequence

Text Title	Math Domain/Skill	Phonics Skill	Topic and Genre/ Text Format	Review High-Frequency Words	Academic Vocabulary and Math Words	Knowledge-Building Topic
Level A **Sum Fun with Ken**	Operations and Algebraic Thinking: Addition to 12	Short a, i, o, u, e	Economics: Jobs Search and Find	see, do, little, with, what, play, and, some	add; all, more, how many	occupations
Level A **Get Sets!**	Data Analysis and Probability: Data and Graphs	s-Blends; Digraphs th, ch, wh; Trigraph tch	Economics: Goods and Services Infographics/Data Display	they, you, have, these, do, like, see, was	sort; more, how many	goods and services
Level A **What Shape Am I?**	Geometry: Solid and Plane Figures	Long vowels: Final e (a_e, i_e, o_e, u_e, e_e)	Physical Science: Architecture Graphic Story	give, have, you, that, of, play, go, put	face; shape, cone, cube, side, flat	occupations: architect
Level A **Which Would You Pick?**	Measurement: Length, Weight, Height, Capacity	Long a, e, o, i, u	Physical Science: Push and Pull, Motion Math Routine Which Would You Rather?	water, go, around, full, one, could, would, why	heavy, light; high, wide, wing span, scale, big, small, inside	energy and motion
Level A **Split, Share, Make It Fair**	Number Sense: Fractions	r-Controlled ir, are, air; Diphthong /ou/; Long i (ie)	History, Geography, and Culture: Sharing Photo Essay	four, two, people, even, any, warm, friend, number	fraction; whole, fourth, third, half, equal, halves, fair share	responsible citizenship

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Math Foundations Level B Scope & Sequence

Text Title	Math Domain/Skill	Phonics Skill	Topic and Genre/ Text Format	Review High-Frequency Words	Academic Vocabulary and Math Words	Knowledge-Building Topic
Level B **Gaggle, Dazzle, Romp: Tens of Animals**	Number Sense: Place Value to 100	Closed Syllables; Consonant + le Syllables	Life Science: Animal Herds Math Manipulatives	live, do, does, all, have, they, are, of	group; tens, count	animals: herds
Level B **Add It Up, Up, Up!**	Operations & Algebraic Thinking: Addition of Two Digit Numbers	Final e; Final e Syllables	Engineering: Simple Machines Comic Strip	then, open, give, there, another, where, them, want	addition; more, add, some, how many, equation, total	simple machines
Level B **Shape Wonders**	Geometry: Identifying Solid and Plane Figures	Open Syllables; Vowel Team Syllables; Consonant + le Syllables	Earth Science: Geology Mixed Media	school, have, never, you, then, walk, would, draw	composite shapes; triangle, rectangles, cylinders, cone, circles	United States natural wonders
Level B **Spring Snow: Likely or Not?**	Data Analysis and Probability: Probability	r-Controlled Vowel Syllables; Consonant + le Syllables; Vowel Team Syllables	Earth Science: Weather and Seasons Photo Essay with Map	water, today, small, could, here, place, warm, because	probability; chance, possible, likely, depends, probably, based on, might	weather and weather forecasting
Level B **Around and Inside**	Measurement: Perimeter and Area	Diphthong /ou/; Complex Vowel /ô/; Review Syllable Types	Engineering: Design Poetry	pretty, each, place, goes, water, around, start, know	area, perimeter	resources (natural, capital, and human)

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Math Foundations Level C Scope & Sequence

Text Title	Math Domain/Skill	Phonics Skill	Topic and Genre/ Text Format	Review High-Frequency Words	Academic Vocabulary and Math Words	Knowledge-Building Topic
Level C **Kick, Count, Score!**	Number Sense: Place Value to Ten Thousands	Long a, o, e, i	Economics: Goods and Services Realistic Fiction	when, where, there, what, because, which, also, call	estimate; hundred, thousand, how many, row, layer, column	communities: goods and services
Level C **Numbers by Nature**	Operations and Algebraic Thinking: Multiplication Concepts and Facts	r-Controlled Vowels /är/ and /ôr/; Short and Long oo; Diphthong /ou/	Life Science: Plants and Animals Photo Essay	two, around, look, now, part, through, another, some	equal groups; equal, sets, total, equation	plants and animals: characteristics
Level C **Building a Birdhouse**	Measurement: Inches, Feet, Ounce	Vowel Team Syllables; r-Controlled Vowel Syllables; Final e Syllables	Engineering: Design Comic Strip	buy, down, different, little	equivalent; inches, foot, feet, length, width, height, grams, ounces, weighs, ruler, measure, long, length	engineering design process
Level C **Look and See: What Am I?**	Geometry: Line, Angle, Plane	Prefixes in-, non-; Suffixes -ly, -ful; Related Words	Literature: Word Play Riddle	even, find, same, but, why, where, what, words	angle; plane, point, line invisible, unending, ray, turn	word play: homophones and homographs
Level C **Race for the Record**	Data Analysis and Probability: Data and Graphs	Compound Words; Abbreviations; Contractions	History and Geography: World Records Infographics	number, pick, fly, try, why	numerical data; data, data point, seconds, line plot, mean, median, mode, meter, sum, total, typical, range	world records, numerical data, measurable value

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