

The InvestiGator Club®

2025
Maryland
PreK

Alignment to
Maryland Pre-Kindergarten
Math Standards



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Alignment to Maryland Pre-Kindergarten Math Standards

Standard Code	Standard Description	Unit Number (Lesson Number/s)	Assessment Location	Notes
PK.NOSA.1	Count to 20 by ones.	Splash and Dig TG p. 42, Fish Pond Weather Watchers TG p. 86-87 Whole Group Math Investigate Math Activity Guide TG p.24 Train Game TG p. 27 Estimation Station TG p. 30 Countdown to Clean Hands STEAM and Literacy Challenge Activity Guide TG p. 58, Ordering Numbers 0-20 TG p. 59 Math: Counting to 50	This standard is assessed in Splash and Dig , p. 150; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.NOSA.2	Count backward from 10 by ones.	Healthy You TG 33 Quick Minutes Numbers Weather Watchers TG P.96-97 Opening Circle Time Oral Language Investigate Math Activity Guide TG, p. 13 "Five Speckled Frogs"	This standard is assessed in Healthy You , p. 149; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.NOSA.3	Identify which number comes just after or just before a given number in a counting sequence to 10.	Healthy You TG pp. 86-87 Whole Group Math Watch It Grow TG p. 128 Math: Scavenger Hunt Weather Watchers TG pp. 102-103 Investigate Math Activity Guide TG p. 16, Which Number Is Missing? TG p. 44, Calendar Fun STEAM and Literacy Challenge Activity Guide TG p. 100, Math: 8 and 9 Riddles	This standard is assessed in Healthy You , p. 149; Watch It Grow , p. 149; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.NOSA.4	Identify written numerals 0-1	Under Construction TG p. 64 Math: The number 1 TG, p.0. 69 Math: One Truck TG, TG p. 124 Math: The number 2 Healthy You TG p. 42 Doughy Numbers TG p. 69 Math: Hide and Seek TG p. 128 Math: Stories for 1,2,3,4 Flinny, Feathery, Furry Friends TG p. 105, Math: Reread a Math Story TG p. 128, Math: 0 to 5 Splash and Dig TG p. 64 Math: The Number 6 Watch It Grow TG p. 64 Math: The Number 8 Weather Watchers TG p. 64 Math: The Number 10 Investigate Math Activity Guide TG p. 29, Fishing for Numbers TG p. 44, Number Rubbings TG p. 44, Calendar Fun TG p. 44, Number Line TG p. 15, The Number or Not? Dilly's Tree House Investigate Weather P.10 Numbers 0 to 10 Dilly's Tree House Investigate Building p. 16 Counting to Two Dilly's Tree House Investigate Plants P. 7 Counting to Eight Dilly's Tree House Investigate Land and Water p. 7 Counting to Six	This standard is assessed in Under Construction , p. 149; Healthy You , p. 149; Flinny, Feathery, Furry Friends , p. 149; Splash and Dig , p. 150; Watch It Grow , p. 149; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform	

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PK.NOS.B.5	Use the relationship between numbers and quantities within 10 to count objects with one-to-one correspondence and verbalizing the last number stated is the total when asked "How many...?" (cardinality)	Let's Investigate! TG p. 91 Math: One to One Under Construction TG p. 64 Math: The Number 1 Healthy You TG p. 64 Math: The Number 3 Finn, Feathery, Furry Friends TG p. 86-87, Math: Little Quack Story TG p. 124, Math: The Number 0 Splash and Dig TG p. 42 Fish Ponds Watch It Grow TG p. 64 Math: The Number 6 Weather Watchers TG p. 64 Math: The number 10 Investigate Math Activity Guide TG p. 42 Nature Hunt STEAM and Literacy Challenge Activity Guide TG p. 136 Math: Counting Scavenger Hunt Dilly's Tree House Investigate Weather P. 7 Counting to 10 P.10 Numbers 0 to 10 Dilly's Tree House Investigate Animals P. 7 Counting to 5	This standard is assessed in Let's Investigate! p. 247; Under Construction , p. 149; Healthy You , p. 149; Finn, Feathery, Furry Friends , p. 149; Splash and Dig , p. 150; Watch It Grow , p. 149; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.NOS.B.6	When counting objects within 10, recognize that each successive number name refers to a quantity that is one larger.	Finn, Feathery, Furry Friends TG p. 86-87, Math: Little Quack Story Splash and Dig TG p. 42 Fish Ponds TG p. 124 Math: The Number 7 Watch It Grow TG p. 102-103 Small Group Math Investigate Math Activity Guide TG p. 16, Hop Along Frog TG p. 44, Calendar Fun Investigate Math Activity Guide TG p. 11 "Ants Go Marching" STEAM and Literacy Challenge Activity Guide TG p. 24, Math: Greater Than and Less Than	This standard is assessed in Healthy You , p. 149; Finn, Feathery, Furry Friends , p. 149; Splash and Dig , p. 150; Watch It Grow , p. 149. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.NOS.B.7	Represent a number within 10 by producing a set of objects with concrete materials, drawing pictures, and/or writing numerals. Correctly respond when asked "How many" after counting concrete objects.	Healthy You TG p. 128 Math: Stories for 1,2,3,4 Finn, Feathery, Furry Friends TG p. 84 Math: The Number 5 Splash and Dig TG p. 84 Math: We Dig 6 Watch It Grow TG p. 64 Math: The Number 8 TG p. 84 Math: A Basket of 8 Weather Watchers TG p. 64 Math: The Number 10 TG p. 128 Math: 0 to 10 Floor Graph Investigate Math Activity Guide TG p.40 Plant Seeds STEAM and Literacy Challenge Activity Guide TG p. 24, Math: Greater Than and Less Than Dilly's Tree House Investigate Building p. 7 Counting to One Dilly's Tree House Investigate Weather P. 10 Numbers 0 to 10	This standard is assessed in Healthy You , p. 149; Finn, Feathery, Furry Friends , p. 149; Splash and Dig , p. 150; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	

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PKNOS.B.8	Recognize the numbers of objects in a set without counting (subitizing) with both unfamiliar patterns within 3 and familiar patterns within 5.	Splash and Dig TG p. 42, Fish Pond Weather Watchers TG p. 86-87 Whole Group Math Investigate Math Activity Guide TG p.14 Make a Snake TG p. 20 Which Necklace Has More? STEAM and Literacy Challenge Activity Guide TG p. 132 Math: Dot, Dot, Do It	This standard is assessed in Splash and Dig , p. 150; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.NOS.C.9	Compare two quantities within 10. Identify whether the number of objects in one group is more than, equal to, or less than the number of objects in another group by using one-to-one correspondence, matching, and counting.	Healthy You TG pp. 86-87 Whole Group Math Weather Watchers TG p. 64 Math: The number 10 Investigate Math Activity Guide TG p. 13: Five Speckled Frogs	This standard is assessed in Healthy You , p. 149; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PKNOS.D.10	Represent addition and subtraction situations (presented verbally, without the use of numerals or mathematical symbols) within quantities of 5 with objects, fingers, drawings, sounds (e.g., claps), acting out situations, and/or verbal explanations.	Healthy You TG pp. 86-87 Whole Group Math Watch It Grow TG p. 128 Math: Scavenger Hunt Weather Watchers TG pp. 102-103 Investigate Math Activity Guide TG p. 16, Which Number Is Missing? TG p. 44, Calendar Fun STEAM and Literacy Challenge Activity Guide TG p. 22 Math: Making 3	This standard is assessed in Healthy You , p. 149; Watch It Grow , p. 149; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PKNOS.D.11	Decompose numbers less than or equal to 5 in more than one way by using objects, fingers, drawings and/or verbal explanations.	Let's Investigate! TG p.44, Math Match TG p. 200 Alike and Different. Splash and Dig TG pp. 86-87 Whole Group Math TG. P. 89 Math: Reread One-Dog Canoe Watch It Grow TG p. 64 Math: The Number 8 Investigate Math Activity Guide TG p. 9 Count and Combine TG p. 31 Hardware Store STEAM and Literacy Challenge Activity Guide TG p. 57 Math: Making 5 Dilly's Tree House Investigate Building p. 16 Counting to Two Dilly's Tree House Investigate Plants P. 7 Counting to Eight Dilly's Tree House Investigate Land and Water p. 7 Counting to Six	This standard is assessed in Let's Investigate! p. 149; Splash and Dig , p. 150; Watch It Grow , p. 149. Additional assessments, including those for emerging competencies, can be found on the platform.	

Standard Code	Standard Description	Unit Number (Lesson Number/s)	Assessment Location	Notes
PKNOS.D.12	Given a quantity within 5, identify the quantity that must be added to equal 5 using objects, fingers, drawings and/or verbal explanations.	Let's Investigate! TG p. 91 Math: One to One Under Construction TG p. 64 Math: The Number 1 Healthy You TG p. 64 Math: The Number 3 Finn, Feathery, Furry Friends TG p. 86-87, Math: Little Quack Story TG p. 124, Math: The Number 0 Splash and Dig TG p. 64 Math: The number 6 Watch It Grow TG p. 64 Math: The Number 6 Investigate Math Activity Guide TG p. 42 Nature Hunt STEAM and Literacy Challenge Activity Guide TG p. 136 Math: Counting Scavenger Hunt Dilly's Tree House Investigate Animals P. 7 Counting to 5	This standard is assessed in Let's Investigate! P. 247 Under Construction , p. 149; Healthy You , p. 149; Finn, Feathery, Furry Friends , p. 149; Splash and Dig , p. 150; Watch It Grow , p. 149. Additional assessments, including those for emerging competencies, can be found on the platform.	
PKAT.A.1	Identify and extend a repeating pattern (ABAB, AABB, or ABCABC) using concrete objects, shapes, sounds, or movements.	Let's Investigate! TG p. 113 Math: People Patterns TG p. 117 Math: Clap, Pat, Clap, Pat Under Construction TG p. 42 Learning Center: Build a Pattern TG p. 89 Literacy: Reread a Shape Story TG p. 99 Oral Language: Let's Talk About Patterns TG p. 105 Literacy: Reread "Laundry Day" TG p. 108 Music: Carpenter's Rhythm TG p. 108 Math: Make and Extend Patterns TG p. 109 Art: Sponge Print Patterns Investigate Math Activity Guide TG p. 8 Pattern Practice TG p. 18 Match and Munch TG p. 24 Musical Patterns	This standard is assessed in Let's Investigate! P. 247 Under Construction , p. 149; Additional assessments, including those for emerging competencies, can be found on the platform.	
PKGRA.1	Describe a measurable attribute of an object, such as length, height, weight, and capacity using appropriate vocabulary (e.g., long, short, tall, heavy, light, wide, narrow).	Under Construction TG p. 43 Learning Center: Go! Go! Go! TG pp. 54-55 Investigation Station TG pp. 116-117 Opening Circle: Oral Language TG pp. 133-134 Investigation Celebration TG pp. 134-135 Investigation Celebration Finn, Feathery, Furry Friends TG p. 69 Whole Group: Math: Color, Size, Shape Splash and Dig TG p. 43 Learning Center: Moving Water with a Sponge TG p. 47 Learning Center: Water Play Watch It Grow TG pp. 54-55 Investigation Station TG p. 69 Math: Bigger than a Tree? TG p. 105 Literacy: Reread a Sorting Story TG p. 108 Math: Measuring Sunflowers TG p. 124 Math: The Number 9 TG p. 133 Math: How Far Is It? Investigate Math Activity Guide TG p. 6 Let's Measure! TG p. 10 Apple Baskets TG p. 11 How High? TG p. 17 Bug Babies TG p. 19 Caterpillar Math	This standard is assessed in Under Construction , p. 149; Finn, Feathery, Furry Friends , p. 149; Splash and Dig , p. 150; Watch It Grow , p. 149. Additional assessments, including those for emerging competencies, can be found on the platform.	

Standard Code	Standard Description	Unit Number (Lesson Number/s)	Assessment Location	Notes
PK.GRA.2	Directly compare two objects with a measurable attribute in common, using words such as "more/less," "longer/shorter," "lighter/heavier," or "taller/shorter."	Healthy You TG p. 69 Math: Hide and Seek TG pp. 86-87 Whole Group: Math TG p. 89 Art: More or Fewer? Finn, Feathery, Furry Friends TG pp. 86-87 Whole Group: Math Splash and Dig TG pp. 86-87 Whole Group: Math TG p. 89 Math: Reread One-Dog Canoe Weather Watchers TG p. 42 Learning Centers: How Much Do They Cost? TG pp. 102-103 Small Group: Math Investigate Math Activity Guide TG p. 14 Make a Snake TG p. 20 Which Necklace Has More? STEAM and Literacy Challenge Activity Guide TG p. 29 Math: More, Fewer, Less Displays TG p. 135 Math: Watching Weight	This standard is assessed in Healthy You , p. 149; Finn, Feathery, Furry Friends , p. 149; Splash and Dig , p. 150; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.GRB.3	Sort two-dimensional shapes (circles, triangles, and rectangles- including a square which is a special rectangle) by like attributes and distinguish between examples and non-examples.	Let's Investigate! TG p. 178 Math: From Small to Large TG p. 222 Readiness: Basic Shapes TG pp. 224-225 Readiness: Investigating Shapes Healthy You TG p. 42 Learning Centers: Geoboards TG pp. 102-103 Small Group: Math TG p. 105 Math: Rubber Band Shapes TG p. 109 Art: Shape People TG p. 112 Math: Shape Walk Weather Watchers TG p. 69 Math: Snowy Shapes Investigate Math Activity Guide TG p. 41 Musical Shapes STEAM and Literacy Challenge Activity Guide TG p. 9 Math: Perfect Matches	This standard is assessed in Let's Investigate! P. 247 Healthy You , p. 149; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.GRB.4	Match and name two-dimensional shapes (circles, triangles, and rectangles- including a square which is a special rectangle) regardless of their orientations or overall size.	Under Construction TG pp. 86-87 Whole Group: Math TG p. 89 Art: Shapely Homes Healthy You TG p. 42 Learning Centers: Geoboards TG pp. 102-103 Small Group: Math TG p. 105 Math: Rubber Band Shapes TG p. 109 Art: Shape People TG p. 112 Math: Shape Walk Splash and Dig TG p. 69 Math: Seaworthy Shapes TG p. 108 Math: Connecting Blocks Weather Watchers TG p. 69 Math: Snowy Shapes Investigate Math Activity Guide TG p. 41 Musical Shapes Dilly's Tree House: Investigate Health and Safety TG p. 13 Math: Comparing Shapes STEAM and Literacy Challenge Activity Guide TG p. 8 Math: Perfect Matches TG p. 142 Math: What Shape Am I? TG p. 142 Math: What Can We Make With Shapes?	This standard is assessed in Under Construction , p. 149; Healthy You , p. 149; Splash and Dig , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	

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PK.GRB.5	Match and sort three-dimensional shapes (cubes, spheres, and cylinders) by like attributes and distinguish between examples and non-examples.	Let's Investigate! TG p. 222 Small Group: Basic Shapes TG p. 224-225 Whole Group: Investigating Shapes Under Construction TG p. 42 Math: Sorting TG p. 86-87 Whole Group: Math TG p. 102-103 Small Group: Math Investigate Math Activity Guide TG p. 10 3-D Roll	This standard is assessed in Let's Investigate! p. 247; Under Construction , p. 149. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.DSA.1	Organize data sets by sorting objects into categories.	Let's Investigate! TG p. 65 Math: Color Sorting Sacks TG p. 178 Math: From Small to Large TG p. 200 Math: Long and Short TG pp. 188-211 Small Group: Alike and Different TG p. 200 Math: Long and Short Under Construction TG p. 42 Learning Center: Sorting TG pp. 86-87 Math: Read a Math Story Investigate Math Activity Guide TG p.31 Hardware Store	This standard is assessed in Let's Investigate! p. 247; Under Construction , p. 149. Additional assessments, including those for emerging competencies, can be found on the platform.	
PK.DSA.2	Analyze data sets by comparing the categories using words such as more than, less than, and equal to/same (Limit the total in any one category to maximum of 10).	Let's Investigate! TG p. 156 Math More or Less TG p.161 Math A Living Graph Healthy You TG pp. 86-87 Whole Group: Math TG p. 89: Art More or Fewer? TG p. 133: Math More or Less? Splash and Dig TG pp. 86-87 Whole Group: Math TG p. 89 Math: Reread One-Dog Canoe Weather Watchers TG p.128 Math: 0 to 10 Floor Graph STEAM and Literacy Challenge Activity Guide: p. 29 Math: More, Fewer, Less Displays	This standard is assessed in Let's Investigate! P. 247 Healthy You , p. 149; Finn, Feathery, Splash and Dig , p. 150; Weather Watchers , p. 150. Additional assessments, including those for emerging competencies, can be found on the platform.	