

Grade 1

Learning Goals mapped to Indiana Academic Standards

Everyday Mathematics Learning Goals				Indiana Academic Math Standard		ISTEP+ Question(s)
Unit 1 Establishing Routines						
1	a	D	Count by 5's to 40. (Lessons 1.4, 1.7, and 1.11)			
1	b	D	Count by 2's to 40. (Lessons 1.9-1.13)			
1	c	D	Begin ongoing digit-writing practice. (Lessons 1.1-1.6) (Lessons 1.4, 1.5, and 1.7-1.11)			
1	d	D	Compare pairs of numbers less than 16. (Lessons 1.2-1.4, 1.6, 1.7, and 1.10)			
1	e	D	Write and count tallies. (Lessons 1.2, 1.7, 1.8, and 1.12)			
1	f	S	Count up and back by 1s, starting with any number up to and including 20. (Lessons 1.1-1.5, 1.7 and 1.9-1.11)	1.1.4	Name the number that is one more than or one less than any number up to 100. (Lesson 1.5)	ISTEP+ T1 #1-4
1	g	S	Count 20 or more objects. (Lessons 1.1-1.5, 1.8, 1.10, and 1.13)			
			Lesson 1.6?	1.1.5	Compare whole numbers up to 10 and arrange them in numerical order.	ISTEP+ T1 #5
Unit 2 Everyday Uses of Numbers						
2	a	D	Calculate the values of various combinations of pennies and nickels. (Lessons 2.10-2.13)			
2	b	D	Find complements of 10. (Lessons 2.3, 2.4)			
2	c	D	Solve simple addition and subtraction number stories. (Lessons 2.6-2.8, 2.10, 2.12, and 2.13)	1.2.1	Show the meaning of addition (putting things together, increasing) using objects	ISTEP+ T3 #2-3
				1.2.2	Show the meaning of subtracting (taking away, comparing, finding the difference) using objects	ISTEP+ T3 #5-6
				1.2.5	Understand the meaning of the symbols +, -, and =.	ISTEP+ T3 #1
2	d	DS	Count up and back by 1s on the number grid. (Lessons 2.1-2.4)			
2	d	DS	Tell time to the nearest hour. (Lessons 2.5, 2.6, and 2.13)			
2	f	DS	Exchange pennies for nickels. (Lesson 2.9-2.11 and 2.13)			
2	g	S	Count by 2s to 40. Count by 5s to 50. (Lessons 2.2, 2.4, 2.7, 2.9, 2.10, and 2.13)			
Unit 3 Visual Patterns, Number Patterns, and Counting						
3	a	BD	Complete Frames-and-Arrows diagrams. (Lessons 3.8, 3.9, and 3.11)			
3	b	D	Identify and complete patterns. (Lessons 3.1-3.5, 3.13, and 3.14)	1.3.4	Create and extend number patterns using addition.	ISTEP+ T4 #1-2
3	c	D	Solve addition and subtraction problems by skip counting on the number line and the number grid. (Lessons 3.3-3.7 and 3.9)			
3	d	D	Identify numbers as odd and even. (Lessons 3.2-3.5, 3.13, and 3.14)			
3	e	D	Know the values of pennies, nickels, and dimes, and calculate the values of combinations of these coins. (Lessons 3.2, 3.4, and 3.10-3.13)	1.5.7	Identify and give the values of pennies, nickels, and dimes. (L 3.12)	ISTEP+ T2 #1-3
3	f	D	Tell time to the nearest half-hour. (Lessons 3.5, 3.7, and 3.8)	1.5.6	Tell time to the nearest half-hour and relate time to events (before/after, shorter/longer).	ISTEP+ T4 #3=6

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3	g	D	Solve simple number stories. (Lessons 3.6 and 3.11-3.13)			
Unit 4 Measurement and Basic Facts						
4	a	BD	Use standard units for measuring length. (Lessons 4.3-4.7)	1.5.1	Measure the length of objects by repeating a non-standard unit or a standard unit. (L 4.3)	
				1.5.2	Use different units to measure the length of the same object and predict whether the measure will be greater or smaller when a different unit is used. (L 4.3)	
				1.5.3	Recognize the need for a fixed unit of length. (L 4.3)	
				1.5.4	Measure and estimate the length of an object to the nearest inch (4.4) and the nearest centimeter (6.6).	
4	b	D	Find simple sums and missing addends. (Lessons 4.1, 4.2, 4.5-4.9, 4.11, and 4.12)	1.5.1	Measure the length of objects by repeating a non-standard unit or a standard unit. (L 4.2)	
4	c	D	Calculate the value of coin combinations. (Lessons 4.3 and 4.10)			
4	d	D	Solve simple number stories. (Lessons 4.3, 4.6, 4.7, and 4.9)			
4	e	DS	Order and compare numbers to 22. (Lessons 4.1, 4.5, 4.8, 4.11, and 4.12)	1.1.5	Compare whole numbers up to 10 and arrange them in numerical order.	ISTEP+ T1 #5
				1.5.5	Compare and order objects according to area (5.4), capacity (9.5), weight (5.4), and temperature (4.1), using direct comparison or a non-standard unit.	
4	f	DS	Tell time to the nearest half-hour. (Lessons 4.4, 4.5, 4.8, and 4.9)			
			Lesson 4.1	1.1.1	Count, read, and write whole numbers up to 100.	ISTEP+ T5 #1-3
			Lesson 4.7	1.1.10	Represent, compare, and interpret data using pictures and picture graphs.	ISTEP+ T5 #4-8
Unit 5 Place Value, Number Stories, and Basic Facts						
5	a	B	Find missing numbers and/or the missing rule in "What's My Rule?" problems. (Lessons 5.10, 5.12, and 5.13)	1.2.7	Understand and use the inverse relationship between addition and subtraction facts to solve simple problems (L 5.1)	ISTEP+ T7 #5-6
5	b	D	Understand place value for tens and ones. (Lessons 5.1-5.5, 5.8, 5.9, 5.12, and 5.13)	1.1.2	Count and group objects in ones and tens. (L 5.1)	ISTEP+ T6 #3
				1.1.3	Identify the number of tens and ones in numbers less than 100.	ISTEP+ T6 #1-2
5	c	D	Compare numbers using < and >. (Lessons 5.3, 5.6-5.9)	1.1.6	Match the number names first, second, third, etc. with an ordered set of up to 10 items.	ISTEP+ T6 #4
				4.1.4	Order and compare whole numbers using symbols for "less than" (<), "equal to" (=), and "greater than" (>).	
5	d	D	Know +1, and +0, doubles and sums of 10 addition facts. (Lessons 5.4, 5.5, 5.7, and 5.9-5.11)	1.2.6	Understand the role of zero in addition and subtraction. (L 5.11)	ISTEP+ T6 #9-12

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5	e	D	Solve addition and subtraction number stories. (Lessons 5.6-5.10)	1.3.2	Create word problems that match given number sentences involving addition and subtraction. (L 5.8)	ISTEP+ T6 #7-8
			Lesson 5.4	1.5.5	Compare and order objects according to area (5.4), capacity (9.5), weight (5.4), and temperature (4.1) , using direct comparison or a non-standard unit.	
			Lesson 5.1 ?	1.2.7	Understand and use the inverse relationship between addition and subtraction facts to solve simple problems (L 5.1)	ISTEP+ T7 #5-6
Unit 6 Developing Fact Power						
6	a	B	Measure objects to the nearest centimeter. (Lessons 6.6, 6.7, and 6.9)	1.5.4	Measure and estimate the length of an object to the nearest inch (4.4) and the nearest centimeter (6.6).	
6	b	B	Understand digital notation for time. (Lessons 6.10 and 6.11)			
6	c	BD	Know simple addition facts. (Lessons 6.1-6.5, 6.7, 6.11, and 6.12)	1.2.4	Demonstrate mastery of the addition facts (for totals up to 20) and the corresponding subtraction facts. (L 6.3)	ISTEP+ T7 #1-4
				1.3.3	Recognize and use the relationship between addition and subtraction. (L 6.3-6.5)	ISTEP+ T7 #5-6
6	d	BD	Calculate the value of combinations of pennies, nickels, dimes, and quarters. (Lessons 6.8-6.10 and 6.12)			
6	e	D	Find many names for a number. (Lessons 6.2 and 6.3)	1.2.3	Show equivalent forms of the same number (up to 20) using objects, diagrams, and numbers.	ISTEP+ T4 #7
Unit 7 Geometry and Attributes						
7	a	B	Identify 3-dimensional shapes and know their characteristics. (Lessons 7.5-7.7)	1.4.3	Classify and sort familiar plane and solid objects by position, shape, size, roundness, and other attributes. Explain the rule used. (L 7.1 and 7.5)	
				1.4.7	Identify geometric shapes and structures in the environment and specify their location. (L 7.1 and 7.5)	
				1.4.2	Identify triangles, rectangles, squares, and circles as the faces of three-dimensional objects. (L 7.5)	
				1.4.4	Identify objects as two- or three-dimensional. (L 7.5)	
7	b	B	Identify symmetrical figures. (Lesson 7.7)			
7	c	D	Sort and identify objects by attributes. (Lessons 7.1 and 7.2)	1.4.1	Identify, describe, compare, sort, and draw triangles, rectangles, squares, and circles.	ISTEP+ T8 #1-4
				1.4.3	Classify and sort familiar plane and solid objects by position, shape, size, roundness, and other attributes. Explain the rule used. (L 7.1 and 7.5)	
7	d	BD	Identify polygons and know their characteristics. (Lessons 7.3, 7.4, 7.6, and 7.7)	1.4.7	Identify geometric shapes and structures in the environment and specify their location. (L 7.1 and 7.5)	

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7	e	D	Know addition facts. (Lessons 7.2 and 7.6)			
			Throughout K and Grade 1	1.4.6	Arrange and describe objects in space by position and direction: near, far, under, over, up, down, behind, in front of, next to, to the left or right of.	ISTEP+ T8 #5-6
Unit 8 Mental Arithmetic, Money, and Fractions						
8	a	B	Make change for amounts less than \$1. (Lesson 8.5)			
8	b	BD	Identify fractional parts of regions and sets with a focus on unit fractions. (Lessons 8.6-8.9)	1.1.7	Recognize when a shape is divided into congruent parts. (L 8.6)	ISTEP+ T9 #1
				1.1.8	For a shape divided into 8 or fewer congruent (matching) parts, describe a shaded portion as “__ out of __” parts and write the fraction.	ISTEP+ T9 #2
8	c	D	Calculate the value of combinations of quarters, dimes, nickels, and pennies. (Lessons 8.1, 8.2, and 8.7)			
8	d	D	Solve number stories. (Lesson 8.4)			
8	e	DS	Understand place value for 10s and 1s. (Lessons 8.1-8.5 and 8.8)	1.1.3	Identify the number of tens and ones in numbers less than 100.	
8	f	DS	Know addition facts for +1, +0, doubles and sums of 10. (Lessons 8.8 and 8.9)			
Unit 9 Place Value and Fractions						
9	a	B	Solve 2-digit addition and subtraction problems. (Lessons 9.2-9.4)			
9	b	B	Compare fractions less than 1. (Lesson 9.7)			
9	c	B	Find equivalent fractions for given fractions. (Lesson 9.8)			
9	d	BD	Identify fractional parts of a region. (Lessons 9.6-9.8)	1.1.8	For a shape divided into 8 or fewer congruent parts, describe a shaded portion as “__ out of __ parts” and write the fraction. (L 9.6)	ISTEP+ T9 #2
9	e	DS	Identify and use patterns on a number grid. (Lessons 9.1-9.4 and 9.7)			
			Lesson 9.5	1.5.5	Compare and order objects according to area (5.4), capacity (9.5), weight (5.4), and temperature (4.1), using direct comparison or a non-standard unit.	
Unit 10 Year-End Review and Assessment						
10	a		Lesson 10.1: Make a line plot of a set of data and find the mode and median of a set of data. (See lessons 1.7, 3.13, 4.7, and 6.12)	1.1.10	Represent, compare, and interpret data using pictures and picture graphs.	ISTEP+ T5 #4-8
10	b		Lesson 10.2: Review telling time on an analog clock and writing times in digital notation; practice alternate ways of naming times; and calculate elapsed times. (See lessons 2.5, 2.6, 3.7, 4.8, 6.10)	1.5.6	Tell time to the nearest half-hour and relate time to events (before/after, shorter/longer).	ISTEP+ T4 #3-6

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10	c	Lesson 10.3: Review showing amounts of money with coins (2.8-2.10, 3.11, 3.12, 6.9, 8.1, 8.2, 8.4, 8.5, 8.8) and solve number stories involving addition of 2-digit numbers (Units 5 and 6).	1.5.7	Identify and give the values of pennies, nickels, and dimes.	ISTEP+ T2 #1-3
			1.3.1	Write and solve number sentences from problem situations involving addition and subtraction.	ISTEP+ T6 #5-6
10	d	Lesson 10.4: Solve comparison number stories (<i>See lessons 1.13, 2.13, and 5.6-5.8</i>) and calculate amounts of change from purchases (<i>See lessons 8.4 and 8.5</i>).			
10	e	Lesson 10.5: Review the names and some of the characteristics of polygons and the names of the basic 3-dimensional shapes. (<i>See unit 7 and lessons 1.11, 3.4, 4.7, 6.7</i>)	1.4.2	Identify triangles, rectangles, squares, and circles as the faces of three-dimensional objects.	
			1.4.3	Classify and sort familiar plane and solid objects by position, shape, size, roundness, and other attributes. Explain the rule you need.	
			1.4.4	Identify objects as two- or three-dimensional.	
			1.4.7	Identify geometric shapes and structures in the environment and specify their location.	
10	f	Lesson 10.6: Review temperature readings in degrees Fahrenheit and use the information on a map to find temperature differences. (<i>See lessons 1.12 and 4.1</i>)	1.5.5	Compare and order objects according to area (5.4), capacity (9.5), weight (5.4), and temperature (4.1), using direct comparison or a non-standard unit.	
			1.3.1	Write and solve number sentences from problem situations involving addition and subtraction.	ISTEP+ T6 #5-6
10	g	Lesson 10.7: Review place value through hundreds. (<i>See lessons 2.1, 3.3, 4.7, 4.10, 5.1, 5.2, 8.3, 9.1, and 9.3</i>)	1.1.3	Identify the number of tens and ones in numbers less than 100.	