Mathletics
Arizona Standards

Activities (Courses), Skill Quests and eBooks

Grades K-2

September, 2025

Mathletics

Mathletics

Arizona Standards

Activities (Courses), Skill Quests and eBooks

September, 2025

Kindergarten

K.CC Counting & Cardinality

A. Know number names and the count sequence.

K.CC.A.1 Count to 100 by ones and by tens.	
📖 **Activities**	
Counting & Cardinality - up to 20	Before, After and Between to 20
Counting & Cardinality	1 to 30
	Count by Tens

K.CC.A.2 Count forward from a given number other than one, within the known sequence (e.g., "Starting at the number 5, count up to 11.")	
📖 **Activities**	
Counting & Cardinality - up to 20	Order Numbers to 10
	Order Numbers to 20
	Counting Up to 20
Counting & Cardinality	Counting Forward
	Going Up

K.CC.A.3 Write numbers from 0 to 20. Represent a number of objects with a written numeral 0-20 (with 0 representing a count of no objects).	
📖 **Activities**	
Counting & Cardinality - up to 20	Matching Numbers to 10
	Matching Numbers to 20
Counting & Cardinality	Reading Numbers to 30
📖 **Ebooks**	
Kindergarten, Series A: Numbers and Patterns	Numbers to 10
	Numbers to 20

B. Count to tell the number of objects.

K.CC.B.4 Understand the relationship between numbers and quantities; connect counting to cardinality.	
📖 **Activities**	
Counting & Cardinality - up to 20	How Many?
	Dot Display
	How Many Dots?
	Count to 5
📖 **Ebooks**	
Kindergarten, Series A: Numbers and Patterns	Numbers to 10
	Numbers to 20
Kindergarten: Rich Task	Walking Back and Forth

K.CC.B.5	
Count to answer "how many?" questions about as many as 20 things arranged in a line, a rectangular array, or a circle, or as many as 10 things in a scattered configuration; given a number from 1-20, count out that many objects.	
🗐 **Activities**	
Counting & Cardinality - up to 20	Concept of Zero
📖 **Ebooks**	
Kindergarten, Series A: Numbers and Patterns	Numbers to 10
	Numbers to 20

C. Compare numbers

K.CC.C.6	
Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group, e.g., by using matching and counting strategies.	
🗐 **Activities**	
Counting & Cardinality - up to 20	Picture Graphs: More or Less
	More, Less or the Same to 10
	More, Less or the Same to 20
📖 **Ebooks**	
Kindergarten, Series A: Numbers and Patterns	Numbers to 10
	Numbers to 20

K.CC.C.7	
Compare two numbers between 0 and 10 presented as written numerals.	
🗐 **Activities**	
Teacher directed	

K.OA Operations & Algebraic Thinking

A. Understand addition as putting together and adding to, and understand subtraction as taking apart and taking from.

K.OA.A.1	
Represent addition and subtraction concretely.	
🗐 **Activities**	
Teacher directed	

K.OA.A.2	
Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.	
🗐 **Activities**	
Operations & Algebraic Thinking	Model Addition
	Model Subtraction
	Adding to Ten

	Subtracting from Ten
	All about Ten
	Adding to Make 5 and 10
	Adding to 10 Word Problems

📖 **Ebooks**	
Kindergarten, Series A: Addition	Addition

K.OA.A.3

Decompose numbers less than or equal to 10 into pairs in more than one way (e.g., using fingers, objects, symbols, tally marks, drawings, expressions).

📋 **Activities**	
Teacher directed	

📖 **Ebooks**	
Kindergarten, Series A: Addition	Addition

K.OA.A.4

For any number from 1 to 9, find the number that makes 10 when added to the given number (e.g., using fingers, objects, symbols, tally marks, drawings, or equation).

📋 **Activities**	
Operations & Algebraic Thinking	Adding to Make 5 and 10

📖 **Ebooks**	
Kindergarten, Series A: Addition	Addition

K.OA.A.5

Fluently add and subtract within 5.

📋 **Activities**	
Operations & Algebraic Thinking	Adding to 5
	Subtracting From 5

📖 **Ebooks**	
Kindergarten, Series A: Addition	Addition

K.NBT Number & Operations in Base Ten

A. Work with numbers 11–19 to gain foundations for place value.

K.NBT.A.1

Compose and decompose numbers from 11 to 19 into ten ones and some further ones, e.g., by using objects or drawings, and record each composition or decomposition by a drawing or equation (e.g., 18 = 10 + 8); understand that these numbers are composed of ten ones and one, two, three, four, five, six, seven, eight, or nine ones.

📋 **Activities**	
Number & Operations in Base Ten	Making Teen Numbers
	Make Numbers Count

📖 **Ebooks**	
Kindergarten, Series A: Numbers and Patterns	Numbers to 20

K.MD Measurement and Data

A. Describe and compare measurable attributes.

K.MD.A.1	
Describe measurable attributes of a single object (e.g., length and weight).	
📖 **Activities**	
Measurement & Data	How Full?

K.MD.A.2	
Directly compare two objects with a measurable attribute in common, to see which object has "more of"/"less of" the attribute, and describe the difference.	
📖 **Activities**	
Measurement & Data	Everyday Length
	Everyday Mass
	Hot or Cold?
	Compare Length
	Which Holds More?

B. Classify objects and count the number of objects in each category.

K.MD.B.3	
Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.	
📖 **Activities**	
Measurement & Data	Sort It
	Same and Different
📖 **Ebooks**	
Kindergarten, Series A: Time, Money and Data	Data

K.G Geometry

A. Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres).

K.G.A.1	
Describe objects in the environment using names of shapes, and describe the relative positions of these objects using terms such as above, below, beside, in front of, behind, and next to.	
📖 **Activities**	
Geometry	Where is it?
	Left or Right?
📖 **Ebooks**	
Kindergarten, Series A: Space and Shape	Position

K.G.A.2		
Correctly name shapes regardless of their orientations or overall size.		
📖 **Activities**		
Geometry	Collect the Shapes	
	Collect Simple Shapes	
📖 **Ebooks**		
Kindergarten, Series A: Space and Shape	2D Shape	

K.G.A.3	
Identify shapes as two-dimensional (lying in a plane, "flat") or three-dimensional ("solid").	
📖 **Activities**	
Teacher directed	

B. Analyze, compare, create, and compose shapes.

K.G.B.4	
Analyze and compare two- and three-dimensional shapes, in different sizes and orientations, using informal language to describe their similarities, differences, parts (e.g., number of sides and vertices/"corners") and other attributes (e.g., having sides of equal length).	
📖 **Activities**	
Geometry	Count Sides and Corners
	Relate Shapes and Solids
📖 **Ebooks**	
Kindergarten, Series A: Space and Shape	2D Shape
	3D Shape

| **K.G.B.5** |
| Model shapes in the world by building shapes from components (e.g., sticks and clay balls) and drawing shapes. |
| 📖 **Activities** |
| **Teacher directed** |

K.G.B.6	
Use simple shapes to form composite shapes	
📖 **Activities**	
Teacher directed	
📖 **Ebooks**	
Kindergarten, Series A: Space and Shape	2D Shape

Grade 1

1.OA Operations & Algebraic Thinking
A. Represent and solve problems involving addition and subtraction

1.OA.A.1	
Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions.	
📖 **Activities**	
Operations & Algebraic Thinking 1-4	Add and Subtract Using Graphs
	Add and Subtract Problems
	Adding to 10 Word Problems
	Problems: Add and Subtract
	Word Problems: Add and Subtract
👑 **Skill Quests**	
Add & subtract within 20, word problems	Creating addition & subtraction word problems
📖 **Ebooks**	
Grade 1, Series B: Operations with Number	Addition
	Subtraction
	Addition and Subtraction
Grade 1 Addition Worksheets	
Grade 1 Subtraction Worksheets	
Grade 1 Addition and Subtraction Worksheets	
Grade 1: Rich Task	Lady Bug Crawl

1.OA.A.2	
Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20.	
📖 **Activities**	
Operations & Algebraic Thinking 1-4	Add and Subtract Problems
	Add Three 1-Digit Numbers
	Add 3 Single Digit Numbers
	Add 3 Numbers Using Bonds to 10
👑 **Skill Quests**	
Add 3 single-digit numbers	Adding 3 single-digit numbers
📖 **Ebooks**	
Grade 2, Series C: Operations with Number	Addition

B. Understand and apply properties of operations and the relationship between addition and subtraction

1.OA.B.3
Apply properties of operations as strategies to add and subtract.
📖 **Activities**

Operations & Algebraic Thinking 1-4	Commutative Property of Addition
	Adding In Any Order

👑 Skill Quests

Apply properties to add & subtract	Using the commutative property of addition

📖 Ebooks

Grade 1, Series B: Operations with Number	Addition
	Subtraction
	Addition and Subtraction
Grade 1 Addition Worksheets	
Grade 1 Subtraction Worksheets	
Grade 1 Addition and Subtraction Worksheets	
Grade 1: Rich Task	Lady Bug Crawl

1.OA.B.4
Understand subtraction as an unknown-addend problem.

📋 Activities

Operations & Algebraic Thinking 1-4	Related Facts 1

👑 Skill Quests

Teacher directed	

📖 Ebooks

Grade 1, Series B: Operations with Number	Addition and Subtraction
Grade 1 Subtraction Worksheets	
Grade 1 Addition and Subtraction Worksheets	

C. Add and subtract within 20

1.OA.C.5
Relate counting to addition and subtraction.

📋 Activities

Operations & Algebraic Thinking 5-8	Addition Facts
	All about Twenty
	Subtracting from 20
	Doubles and Near Doubles

👑 Skill Quests

Relate counting to adding & subtracting	Relating counting to adding & subtracting

📖 Ebooks

Grade 1, Series B: Operations with Number	Addition
	Subtraction
	Addition and Subtraction
Grade 1 Addition and Subtraction Worksheets	
Grade 1: Rich Task	Lady Bug Crawl

1.OA.C.6
Fluently add and subtract within 10.

Activities	
Operations & Algebraic Thinking 5-8	Fact Families: Add and Subtract
	Adding to Ten
	Subtracting from Ten
	All about Twenty

Skill Quests	
Add & subtract within 20	Adding & subtracting within 10 fluently
	Adding by making 10

Ebooks	
Grade 1, Series B: Operations with Number	Addition
	Subtraction
	Addition and Subtraction
Grade 1 Addition and Subtraction Worksheets	
Grade 1: Rich Task	Lady Bug Crawl

D. Work with addition and subtraction equations

1.OA.D.7	
Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false.	

Activities	
Operations & Algebraic Thinking 5-8	Composing Numbers to 10
	Composing Numbers to 20
	Composing Additions to 20

Skill Quests	
Recognize equality & inequality	Recognizing equality & inequality

Ebooks	
Grade 1, Series B: Operations with Number	Addition
	Subtraction
	Addition and Subtraction
Grade 1 Addition Worksheets	
Grade 1 Subtraction Worksheets	
Grade 1 Addition and Subtraction Worksheets	

1.OA.D.8	
Determine the unknown whole number in an addition or subtraction equation relating three whole numbers.	

Activities	
Operations & Algebraic Thinking 5-8	Missing numbers

Skill Quests	
Find the unknown number in an equation	Finding the unknown: addition/subtraction equation

Ebooks	
Grade 1, Series B: Operations with Number	Addition and Subtraction

1.NBT Number & Operations in Base Ten

A. Extend the counting sequence

<table>
<tr><td colspan="2">1.NBT.A.1
Count to 120 by 1's, 2's, and 10's starting at any number less than 100. In this range, read and write numerals and represent a number of objects with a written numeral.</td></tr>
<tr><td colspan="2">📰 Activities</td></tr>
<tr><td>Number & Operations in Base Ten 1-3</td><td>Making Teen Numbers</td></tr>
<tr><td></td><td>Before, After & Between to 100</td></tr>
<tr><td></td><td>Counting Forward</td></tr>
<tr><td></td><td>Going Up</td></tr>
<tr><td colspan="2">👑 Skill Quests</td></tr>
<tr><td>Count within 100</td><td>Counting within 100</td></tr>
<tr><td></td><td>Counting by 10 within 100</td></tr>
<tr><td></td><td>Counting by 2 within 100</td></tr>
<tr><td>Read & write 2-digit numerals</td><td>Reading & writing 2-digit numerals</td></tr>
<tr><td>Represent 2-digit objects as numerals</td><td>Representing 2-digit objects as numerals</td></tr>
<tr><td colspan="2">📖 Ebooks</td></tr>
<tr><td>Grade 1, Series B: Numbers</td><td>Numbers to 100</td></tr>
<tr><td></td><td>Skip counting</td></tr>
</table>

B. Understand place value

<table>
<tr><td colspan="2">1.NBT.B.2
Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases: a. 10 can be thought of as a bundle of ten ones — called a "ten." b. The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones. c. The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones)..</td></tr>
<tr><td colspan="2">📰 Activities</td></tr>
<tr><td>Number & Operations in Base Ten 1-3</td><td>Place Value 1</td></tr>
<tr><td></td><td>Making Teen Numbers</td></tr>
<tr><td></td><td>Making Numbers Count</td></tr>
<tr><td colspan="2">👑 Skill Quests</td></tr>
<tr><td>Understand tens & ones</td><td>Understanding tens & ones</td></tr>
<tr><td colspan="2">📖 Ebooks</td></tr>
<tr><td>Grade 1, Series B: Numbers</td><td>Place value to 99</td></tr>
</table>

<table>
<tr><td colspan="2">1.NBT.B.3
Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols >, =, and <.</td></tr>
<tr><td colspan="2">📰 Activities</td></tr>
<tr><td>Number & Operations in Base Ten 1-3</td><td>Compare Numbers to 20</td></tr>
<tr><td></td><td>Compare Numbers to 50</td></tr>
<tr><td></td><td>Compare Numbers to 100</td></tr>
<tr><td></td><td>Greater or Less to 100</td></tr>
</table>

Skill Quests	
Compare 2-digit numbers	Comparing 2-digit numbers
Ebooks	
Grade 1, Series B: Numbers	Place value to 99

C. Use place value understanding and properties of operations to add & subtract

1.NBT.C.4	
Demonstrate understanding of addition within 100, connecting objects or drawings to strategies based on place value (including multiples of 10), properties of operations, and/or the relationship between addition and subtraction. Relate the strategy to a written form.	
Activities	
Number & Operations in Base Ten 4-6	Complements to 10, 20, 50
	Complements to 50 and 100
	Columns that Add
	Addictive Addition
	Adding to 2-digit numbers
Skill Quests	
Add within 100	Adding a 2-digit number & a 1-digit number, models
	Adding a 2-digit number & a 1-digit number
	Adding a 2-digit number & a multiple of 10
Ebooks	
Grade 2 Addition Worksheets	

1.NBT.C.5	
Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count.	
Activities	
Number & Operations in Base Ten 4-6	1 More, 10 Less
Skill Quests	
Find 10 more or 10 less	Finding 10 more or 10 less
Ebooks	
Grade 1, Series B: Numbers	Place value to 99

1.NBT.C.6	
Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90 (positive or zero differences), using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method and explain the reasoning used.	
Activities	
Number & Operations in Base Ten 4-6	Subtract Tens
Skill Quests	
Teacher directed	

1.MD Measurement & Data

A. Measure lengths indirectly and by iterating length units

1.MD.A.1
Order three objects by length; compare the lengths of two objects indirectly by using a third object.

▤ Activities	
Measurement & Data	Compare Length 1
	Comparing Length
	Everyday Length

♛ Skill Quests	
Order & compare objects by length	Comparing & ordering lengths

📖 Ebooks	
Grade 1, Series B: Measurement	Length

1.MD.A.2
Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps.

▤ Activities	
Measurement & Data	Measuring Length with Blocks

♛ Skill Quests	
Express the length of an object	Expressing the length of an object

📖 Ebooks	
Grade 1, Series B: Measurement	Length

B. Work with time and money

1.MD.B.3a
Tell and write time in hours and half-hours using analog and digital clocks.

▤ Activities	
Measurement & Data	Set Time to the Hour
	Set Time to the Half Hour

♛ Skill Quests	
Tell time	Telling time with analog clocks
	Telling time with digital clocks

📖 Ebooks	
Grade 1, Series B: Time and Money	Time
Grade 2, Series C: Time and Money	Time

1.MD.B.3b
Identify coins by name and value (pennies, nickels, dimes and quarters).

▤ Activities	
Measurement & Data	Pennies, Nickels, and Dimes

� Skill Quests	
Teacher directed	
📖 Ebooks	
Grade 1, Series B: Time and Money	Money
Grade 2, Series C: Time and Money	Money

C. Represent and interpret data

1.MD.C.4	
Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.	
▤ **Activities**	
Measurement & Data	Pictographs
	Picture Graphs: Who has the Goods?
	Read Graphs
	Sorting Data
� **Skill Quests**	
Organize, represent & interpret data	Introducing & reading data in tables
	Representing data in graphs
	Interpreting tally charts & picture graphs
📖 **Ebooks**	
Grade 1, Series B: Chance and Data	Data

1.G Geometry

A. Reason with shapes and their attributes

1.G.A.1	
Distinguish between defining attributes (triangles are closed and 3 sided) versus non-defining attributes (color, orientation, overall size) for two-dimensional shapes; build and draw shapes that possess defining attributes.	
▤ **Activities**	
Geometry	Collect Simple Shapes
	Collect the Shapes
	Collect More Shapes
	Count Sides and Corners
� **Skill Quests**	
Sort shapes based on attributes	Sorting shapes based on attributes

1.G.A.2	
Compose two-dimensional shapes or three-dimensional shapes to create a composite shape.	
▤ **Activities**	
Teacher directed	
� **Skill Quests**	
Composite shapes: 2-D & 3-D	Composite shapes: 2-D & 3-D

📖 Ebooks	
Grade 1, Series B: Shape and Space	2D Space
	3D Space

1.G.A.3

Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.

📰 Activities	
Geometry	Halves
	Halves and Quarters

👑 Skill Quests	
Teacher directed	

📖 Ebooks	
Grade 1, Series B: Numbers	Fractions

Grade 2

2.OA Operations & Algebraic Thinking

A. Represent and solve problems involving addition and subtraction

2.OA.A.1	
Use addition and subtraction within 100 to solve one and two-step word problems. Represent a word problem as an equation with a symbol for the unknown.	
📧 Activities	
Operations & Algebraic Thinking	Bar Model Problems 1
	Bar Model Problems 2
👑 Skill Quests	
Add & subtract within 100, word problems	Creating addition & subtraction word problems

B. Add and subtract within 20

2.OA.B.2	
Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.	
📧 Activities	
Operations & Algebraic Thinking	Addition
	Addition Facts
	Addictive Addition
	Subtraction Facts to 18
	Simple Subtraction
	Fact Families: Add and Subtract
👑 Skill Quests	
Add & subtract within 100, word problems	Creating addition & subtraction word problems
	Adding & subtracting two 1-digit numbers
📖 Ebooks	
Grade 2, Series C: Operations with Number	Addition
	Subtraction

C. Work with equal groups of objects to gain foundations for multiplication

2.OA.C.3	
Determine whether a group of objects (up to 20) has an odd or even number of members; write an equation to express an even number as a sum of two equal addends.	
📧 Activities	
Operations & Algebraic Thinking	Odd or Even
👑 Skill Quests	
Odd & even numbers	Odd & even numbers up to 20
📖 Ebooks	
Grade 2, Series C: Numbers	Skip counting

2.OA.C.4

Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.

🖳 Activities	
Operations & Algebraic Thinking	Groups of Two
	Groups of Three
	Groups of Four
	Groups of Five

👑 Skill Quests	
Connect addition & arrays	Connecting addition & arrays

📖 Ebooks	
Grade 2, Series C: Operations with Number	Multiplication

2.NBT Number & Operations in Base Ten

A. Understand place value

2.NBT.A.1

Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones. Understand the following as special cases: a. 100 can be thought of as a bundle of ten tens—called a "hundred." b. The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).

🖳 Activities	
Number & Operations in Base Ten 1-4	Model Numbers
	Place Value 2

👑 Skill Quests	
Understand hundreds, tens & ones	Understanding hundreds, tens & ones

📖 Ebooks	
Grade 2, Series C: Numbers	Place value to 999

2.NBT.A.2

Count within 1000; skip-count by 5s, 10s, and 100s.

🖳 Activities	
Number & Operations in Base Ten 1-4	Count by Fives
	Count by Tens
	Count by 2s, 5s and 10s

👑 Skill Quests	
Skip-count within 1000	Skip-counting by 10s
	Skip-counting by 5s
	Skip-counting by 100s
	Counting within 1000

📖 Ebooks	
Grade 2, Series C: Numbers	Skip Counting

2.NBT.A.3

Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.

▤ Activities	
Number & Operations in Base Ten 1-4	Understanding Place Value 1
	Place Value Partitioning
♛ Skill Quests	
Read & write numbers to 1000	Reading & writing numbers to 1000
▤ Ebooks	
Grade 2, Series C: Numbers	Place value to 999

2.NBT.A.4

Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.

▤ Activities	
Number & Operations in Base Ten 1-4	Which is Bigger?
	Which is Smaller?
♛ Skill Quests	
Compare 3-digit numbers	Comparing 3-digit numbers
▤ Ebooks	
Grade 2, Series C: Numbers	Place value to 999

B. Use place value understanding and properties of operations to add and subtract

2.NBT.B.5

Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

▤ Activities	
Number & Operations in Base Ten 5-8	Complements to 10, 20, 50
	Complements to 50 and 100
	Adding to 2-digit numbers
	Decompose Numbers to Subtract
♛ Skill Quests	
Add & subtract within 100	Using strategies to add & subtract within 100
	Adding & subtracting using a 100 chart
▤ Ebooks	
Grade 2, Series C: Operations with Number	Addition
	Subtraction
Grade 2 Addition Worksheets	
Grade 2 Subtraction Worksheets	

2.NBT.B.6

Add up to three two-digit numbers using strategies based on place value and properties of operations.

▤ Activities	
Number & Operations in Base Ten 5-8	Add 3 Numbers: Bonds to 100
	Add 3 Numbers: Bonds to Multiples of 10
	Add Two 2-Digit Numbers
	Add Two 2-Digit Numbers: Regroup

👑 Skill Quests	
Add 2-digit numbers, strategies	Adding 2-digit numbers, strategies
📖 Ebooks	
Grade 2, Series C: Operations with Number	Addition
Grade 2 Addition Worksheets	
Grade 2: Rich Task	Four Times as Big

2.NBT.B.7

Demonstrate understanding of addition and subtraction within 1000, connecting objects or drawings to strategies based on place value (including multiples of 10), properties of operations, and/or the relationship between addition and subtraction. Relate the strategy to a written form.

📰 Activities	
Number & Operations in Base Ten 5-8	Add 3-Digit Numbers
	Add 3-Digit Numbers: Regroup
	2-Digit Differences
	2-Digit Differences: Regroup
	3-Digit Differences
	3-Digit Differences with Zeros
	3-Digit Differences: 1 Regrouping
	3-Digit Differences: 2 Regroupings
👑 Skill Quests	
Add & subtract within 1000	Adding within 1000
	Subtracting within 1000
📖 Ebooks	
Grade 2, Series C: Operations with Number	Addition
	Subtraction
Grade 2 Addition Worksheets	
Grade 2 Subtraction Worksheets	
Grade 2: Rich Task	Four Times as Big

2.NBT.B.8

Mentally add 10 or 100 to a given number 100-900, and mentally subtract 10 or 100 from a given number 100-900.

📰 Activities	
Teacher directed	
👑 Skill Quests	
Add & subtract 10 or 100 mentally	Adding & subtracting 10 or 100 mentally

2.NBT.B.9

Explain why addition and subtraction strategies work, using place value and the properties of operations.

📰 Activities	
Teacher directed	
👑 Skill Quests	
Teacher directed	

2.MD Measurement & Data

A. Measure and estimate lengths in standard units

2.MD.A.1

Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.

Activities	
Measurement & Data	Measuring Length
	How Long Is That (Customary)?
	Measure to the Nearest Half Inch
Skill Quests	
Select units of measure: m, cm	Selecting units of measure: m, cm
Ebooks	
Grade 2, Series C: Measurement	Length

2.MD.A.2

Measure the length of an object twice, using different standard length units for the two measurements; describe how the two measurements relate to the size of the unit chosen. Understand that depending on the size of the unit, the number of units for the same length varies.

Activities
Teacher directed
Skill Quests
Teacher directed

2.MD.A.3

Estimate lengths using units of inches, feet, centimeters, and meters.

Activities	
Measurement & Data	Inches, Feet, Yards
Skill Quests	
Teacher directed	
Ebooks	
Grade 2, Series C: Measurement	Length

2.MD.A.4

Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.

Activities	
Teacher directed	
Skill Quests	
Teacher directed	
Ebooks	
Grade 2, Series C: Measurement	Length

B. Relate addition and subtraction to length

2.MD.B.5	
Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units	
▦ Activities	
Teacher directed	
👑 Skill Quests	
Addition & subtraction length problems	Solving addition & subtraction length problems
📖 Ebooks	
Grade 2: Rich Task	3 Ribbons

2.MD.B.6	
Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2, ..., and represent whole-number sums and differences within 100 on a number line diagram.	
▦ Activities	
Teacher directed	
👑 Skill Quests	
Teacher directed	
📖 Ebooks	
Grade 2, Series C: Operations with Number	Addition
	Subtraction
Grade 2 Addition Worksheets	
Grade 2 Subtraction Worksheets	

C. Works with time and money

2.MD.C.7	
Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	
▦ Activities	
Measurement & Data	Five Minute Times
👑 Skill Quests	
Tell time	Telling time to the quarter hour, analog & digital
	Telling time to 5 minutes, analog & digital
	Using a.m. & p.m. notation
📖 Ebooks	
Grade 2, Series C: Time and Money	Time
Grade 3, Series D: Time	Telling time

2.MD.C.8	
Solve word problems involving collections of money, including dollar bills, quarters, dimes, nickels, and pennies. Record the total using $ and ¢ appropriately.	
▦ Activities	
Measurement & Data	How Much Money? (USD)

	Money-Totaling (USD)
	Who's got the Money?
	Choosing the Fewest Coins (USD)

👑 Skill Quests	
Money	Recognizing bills & coins
	Solving money word problems

📖 Ebooks	
Grade 2, Series C: Time and Money	Money

D. Represent and interpret data

2.MD.D.9

Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.

📧 Activities
Teacher directed

👑 Skill Quests	
Introduction to line plots	Reading line plots

2.MD.D.10

Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.

📧 Activities	
Measurement & Data	Bar Graphs 1
	Bar Graphs 2
	Picture Graphs: single-unit scale

👑 Skill Quests	
Picture graphs & bar graphs	Picture graphs
	Bar graphs

📖 Ebooks	
Grade 2, Series C: Chance and Data	Money

2.G Geometry

A. Reason with shapes and their attributes

2.G.A.1

Identify and describe specified attributes of two-dimensional and three-dimensional shapes, according to the number and shape of faces, number of angles, and the number of sides and/or vertices.

📧 Activities	
Geometry	How Many Faces?
	How many Edges?
	How many Corners?
	Count Sides and Corners

	Collect Simple Shapes
	Collect More Shapes

👑 Skill Quests	
Recognize & identify shapes	Identifying & sorting shapes
	Identifying quadrilaterals
	Identifying pentagons
	Identifying hexagons
	Identifying cubes

📖 Ebooks	
Grade 2, Series C: Space and Shape	2D Space
	2D Shape

2.G.A.2

Partition a rectangle into rows and columns of same-size rectangles and count to find the total number of rectangles.

📖 Activities
Teacher directed

👑 Skill Quests
Teacher directed

2.G.A.3

Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.

📖 Activities	
Geometry	Shade Fractions
	Halves
	Halves and Fourths

👑 Skill Quests
Teacher directed

📖 Ebooks	
Grade 2, Series C: Numbers	Fractions

Mathletics

For more information about Mathletics,
contact our friendly team.

www.mathletics.com/contact

3P Learning