

# Istation 

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics <br> Kindergarten - Grade 5

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

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## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

K-5 Standards for Mathematical Processes (MP)
Each applicable Mathematical Process standard is listed below the correlation with the corresponding code, MP1-8.
Mathematical Process 1: Understand problems and develop the ability to solve them with confidence.
Mathematical Process 2: Reasoning in a concrete and semi-concrete way, until reaching quantitative abstraction.
Mathematical Process 3: Construct and defend viable arguments as well as understand and criticize the arguments and reasoning of others.

Mathematical Process 4: Use mathematics to solve everyday problems.
Mathematical Process 5: Use the appropriate and necessary tools (including technology) to solve problems in different contexts.
Mathematical Process 6: Use accurate reasoning and in discussions with others.
Mathematical Process 7: Look for and make use of structure.
Mathematical Process 8: Look for and express regularity in repeated reasoning.
The following legend outlines the Codes found next to each Digital Student Experience and related Teacher Resources.

| Code Legend |  |
| :---: | :--- |
| U | Unit |
| ISIP | Istation's Indicators of Progress |
| AR | Additional Resource |
| CR | Classroom Resource |
| FP | Fact Practice |
| PP | Parent Portal |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Power Path Featured Content

## Newest Features

Power Path is the next generation of activities for Istation, bringing a more modern approach to the user experience. These activities contain a greater degree of adaptability, many more questions, and a greater sense of agency for the student.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :---: | :---: | :---: |
| Code | Digital Student Experience | Code | Teacher Resources |
| K.N.1.1 |  |  |  |
|  |  | U13-15 | Odd One Out - Counting |
| K.N.2.1 |  |  |  |
| U9-11 | Number Sense - Comparison Cards: Comparing Groups or Numbers | U9-11 | More or Less? Which Is Best? |
| K.G.6.2 |  |  |  |
|  |  |  | Shape Families |
| K.G.6.3 |  |  |  |
|  |  |  | Shape Simon Says |
| K.G.6.4 |  |  |  |
|  |  |  | Shape Families |
| K.G.7.1 |  |  |  |
|  |  |  | Shape Families |
| K.G.7.3 |  |  |  |
| U4-6 | Geometry - Sweet Shapes |  |  |
| 1.N.1.1 |  |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Newest Features

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| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :---: | :---: | :---: |
| Code | Digital Student Experience | Code | Teacher Resources |
|  |  | U16-17 | One Hundred Twenty Is Plenty |
| 1.N.3.1 |  |  |  |
| U14-16 | Number Sense - Comparison Cards: Comparing TwoDigit Numbers | U14-16 | Dare to Compare Two-Digit Numbers |
| 1.G.8.1 |  |  |  |
| U20-23 | Geometry - Sweet Shapes |  |  |
| 2.N.1.1 |  |  |  |
| U33-35 | Number Sense - Comparison Cards: Comparing ThreeDigit Numbers | U33-35 | Dare to Compare Three-Digit Numbers |
| 2.N.1.3 |  |  |  |
|  |  | U30-31 | Make It, Break It, Toss It |
| 3.N.1.1 |  |  |  |
| U37-39 | Number Sense - Pyramid Pinball: Rounding to the Nearest 10 or 100 | U37-39 | Round and Round We Go (Whole Numbers) |
| 3.G.8.3 |  |  |  |
|  |  |  | Quads Quads Quads |
| 4.N.1.1 |  |  |  |

## Newest Features

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| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U41-43 | Number Sense - Comparison Cards: Comparing Multi- <br> Digit Numbers | U41-43 | Dare to Compare Multi-Digit Numbers |
| 4.N.1.3 |  |  |  |
| U42-44 | Number Sense - Pyramid Pinball: Rounding to Any Place | U42-44 | Round and Round We Go (Multi-Digit) Numbers |
| 5.N.1.1 |  |  |  |
| U47-49 | Number Sense - Comparison Cards: Comparing Decimal <br> Numbers | U47-49 | Dare to Compare Decimal Numbers |
| 5.N.1.2 |  |  |  |
| U48-50 | Number Sense - Pyramid Pinball: Rounding Decimals | U48-50 | Round and Round We Go (Decimal) Numbers |

Power Path Featured Content (Spanish)

## Newest Features

Power Path is the next generation of activities for Istation, bringing a more modern approach to the user experience. These activities contain a greater degree of adaptability, many more questions, and a greater sense of agency for the student.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :---: | :---: | :---: |
| Code | Digital Student Experience | Code | Teacher Resources |
| K.N.2.1 |  |  |  |

## Newest Features

Power Path is the next generation of activities for Istation, bringing a more modern approach to the user experience. These activities contain a greater degree of adaptability, many more questions, and a greater sense of agency for the student.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :---: | :---: | :---: |
| Code | Digital Student Experience | Code | Teacher Resources |
|  |  | U9-11 | ¿Más o menos? ¿Cuál es mejor? |
| 1.N.1.4 |  |  |  |
| U14-16 | Tarjetas de comparación - Comparando números de dos dígitos | U14-16 | Atrévete a comparar (Números de dos dígitos) |
| 2.N.1.1 |  |  |  |
| U33-35 | Tarjetas de comparación - Comparando números de tres dígitos | U33-35 | Atrévete a comparar (Números de tres dígitos) |
| 3.N.1.1 |  |  |  |
|  |  | U37-39 | Dando y dando la vuelta (Números Enteros) |
| 4.N.1.1 |  |  |  |
| U41-43 | Tarjetas de comparación - Comparando números de múltiples dígitos | U42-44 | Atrévete a comparar (Números de múltiples dígitos) |
| 4.N.1.3 |  |  |  |
|  |  | U42-44 | Dando y dando la vuelta (Números de múltiples dígitos) |
| 5.N.1.1 |  |  |  |
| U47-49 | Tarjetas de comparación - Comparando números decimales | U47-49 | Atrévete a comparar (Decimales) |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Newest Features

Power Path is the next generation of activities for Istation, bringing a more modern approach to the user experience. These activities contain a greater degree of adaptability, many more questions, and a greater sense of agency for the student.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| ---: | :---: | :---: | :---: |
| 5.N.1.2 |  |  |  |
|  | U48-50 | Dando y dando la vuelta (Decimales) |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Kindergarten

## Counting and Cardinality

Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
1.0 Recognize the relationship between cardinal numbers and the quantities they represent from 0 to at least 100 .

| K.N.1.1 |  |  |  |
| :---: | :--- | :---: | :--- |
| Count (or count by memory) cardinal numbers by ones and by tens. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code |  |
| U14 | Number Sense - "EZ with a Rock and Roll Beat" (1-100) | U14 | One Hundred Is a Lot |
| U14 | Number Sense - Identifying Numbers (1-100) | U14 | Roll-Count-Cover - Skip Counting by Tens |
| U14 | Number Sense - Identify Missing Numbers (1-100) | U21 | The Arrow Says (1-100) |
| U14 | Number Sense - Number Sequence (1-100) | U23 | Decade Numbers |
| U14 | Number Sense - "Hens by Tens" (1-100) |  |  |
| U14 | Number Sense - Count the Hen Amount (1-100) |  |  |
| U14 | Number Sense - Count to the Target Amount (1-100) |  |  |
| U14 | Number Sense - Choose the Correct Amount (1-100) |  |  |

## K.N.1.2

Count, read and write cardinal numbers forwards and backwards from any given number.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U4 | Number Sense - "EZ with a Rock and Roll Beat" (1-10) | U6 | Count with Me (1-20) |
| U4 | Number Sense - Identifying Numbers (1-10) | U8 | Counting Sticks (1-20) |
| U4 | Number Sense - Identify Missing Numbers (1-10) | U8 | Counting Objects (1-20) |
| U4 | Number Sense - Number Sequence (1-10) | U14 | One Hundred Is a Lot |
| U6 | Number Sense - "EZ with a Rock and Roll Beat" (1-20) | U14 | Roll-Count-Cover - Skip Counting by Tens |
| U6 | Number Sense - Identifying Numbers (1-20) | U18 | Counting Memory |
| U6 | Number Sense - Identify Missing Numbers (1-20) | U21 | The Arrow Says (1-100) |
| U6 | Number Sense - Number Sequence (1-20) | U23 | Decade Numbers |
| U7 | Number Sense - "EZ with a Rock and Roll Beat" (1-30) | ISIP | Set Stories |
| U7 | Number Sense - Identifying Numbers (1-30) | ISIP | Ten Frame Puzzles (1-20) |
| U7 | Number Sense - Identify Missing Numbers (1-30) | ISIP | Total Amount in a Scattered Group |
| U7 | Number Sense - Number Sequence (1-30) | ISIP | Understanding Ordinal Numbers |
| U8 | Number Sense - "EZ with a Rock and Roll Beat" (1-50) |  |  |
| U8 | Number Sense - Identifying Numbers (1-50) |  |  |
| U8 | Number Sense - Identify Missing Numbers (1-50) |  |  |
| U8 | Number Sense - Number Sequence (1-50) |  |  |

## K.N.1.2

Count, read and write cardinal numbers forwards and backwards from any given number.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :--- | :--- |
| U14 | Number Sense - "EZ with a Rock and Roll Beat" (1-100) |  | (1-100) |
| U14 | Number Sense - Identifying Numbers (1-10 |  |  |
| U14 | Number Sense - Identify Missing Numbers (1-100) |  |  |
| U14 | Number Sense - Number Sequence (1-100) |  |  |

2.0 Compare and order cardinal numbers up to two digits.

| K.N.2.1 |  |  |  |
| :---: | :---: | :---: | :---: |
| Compare cardinal numbers up to two digits (mare than, less than, or equal to). |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code | Teacher Resources |
|  |  | U6 | Less/More/Equal Sets of Concrete Objects |
|  |  | ISIP | Finding One More or One Less (1-20) |
|  |  | ISIP | Comparing Groups of Objects (1-20) |
|  |  | ISIP | Multiple Representations of Numbers (1-10) |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## K.N.2.2

Order, ascending and descending, cardinal numbers up to two digits.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U4 | Number Sense - "EZ with a Rock and Roll Beat" (1-10) | U6 | Count with Me (1-20) |
| U4 | Number Sense - Identifying Numbers (1-10) | U8 | Counting Sticks (1-20) |
| U4 | Number Sense - Identify Missing Numbers (1-10) | U8 | Counting Objects (1-20) |
| U4 | Number Sense - Number Sequence (1-10) | U14 | One Hundred Is a Lot |

3.0 Show the process of addition and subtraction using concrete models with totals of 10 .

## K.N.3.1

Represent the concepts of addition and subtraction of cardinal numbers up to 10 to solve problems.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U9 | Computations and Algebraic Thinking - <br> "Part Part Whole in New Orleans" (1-10) | U8 | Parts and Wholes |
| U9 | Computations and Algebraic Thinking - <br> Part Part Whole Addition within 10 | U9 | Roll to Find the Whole |
| U10 | Computations and Algebraic Thinking - <br> "Part Part Whole in New Orleans" (1-10) | U10 | Dogs and Cats on Mats (up to 10) |
| U10 | Computations and Algebraic Thinking - <br> Part Part Whole Addition Stories | Ten or Not Ten |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## K.N.3.1

Represent the concepts of addition and subtraction of cardinal numbers up to 10 to solve problems
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
| U12 | Computations and Algebraic Thinking "Part Part Whole in New Orleans" (1-10) | U13 | Whole in the Hand |
| U12 | Computations and Algebraic Thinking Making Ten Using Tens Frames | U18 | Decomposing House with Pictures |
| U12 | Computations and Algebraic Thinking Identifying Addends Using Tens Frames | U18 | Decomposing House |
| U13 | Computations and Algebraic Thinking "Chicago Pizza Blues" (within 10) | U19 | Relative Magnitude with Part Part Whole |
| U13 | Computations and Algebraic Thinking Subtraction within Ten | U20 | Start, Change, Result |
| U14 | Computations and Algebraic Thinking "Chicago Pizza Blues" (within 10) | U20 | Adding with Addend Cards |
| U14 | Computations and Algebraic Thinking Whole Part Part Subtraction Stories (within 10) | U22 | Beading the Difference |
| U18 | Number Sense - Decompose Numbers Less than or Equal to Ten | ISIP | Subtraction within Ten |
|  |  | ISIP | Addition Stories |
|  |  | ISIP | Subtraction Stories |
|  |  | ISIP | Count Back to Subtract |
|  |  | ISIP | Ten Frame Addition |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## K.N.3.2

Break down cardinal numbers that are less than or equal to 10 and use the two-digit addition algorithm.

| MP 1, 2, $3,4,5,6,7,8$ | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U8 | Parts and Wholes |
| U9 | Computations and Algebraic Thinking - <br> "Part Part Whole in New Orleans" (1-10) | U9 | Roll to Find the Whole |
| U9 | Computations and Algebraic Thinking - <br> Part Part Whole Addition Stories | U 10 | Dogs and Cats on Mats (up to 10) |
| U10 | Computations and Algebraic Thinking - <br> "Part Part Whole in New Orleans" (1-10) | U 12 | Ten or Not Ten |
| U10 | Computations and Algebraic Thinking - <br> Part Part Whole Addition Stories | U 13 | Whole in the Hand |
| U12 | Computations and Algebraic Thinking - <br> "Part Part Whole in New Orleans" (1-10) | Decomposing House with Pictures |  |
| U12 | Computations and Algebraic Thinking - <br> Making Ten Using Tens Frames | U 18 | Decomposing House |
| U12 | Computations and Algebraic Thinking - <br> Identifying Addends Using Tens Frames | U19 | Relative Magnitude with Part Part Whole |
| U13 | Computations and Algebraic Thinking - <br> "Part Part Whole in New Orleans" (1-10) | U20 | Start, Change, Result |
| U13 | Computations and Algebraic Thinking - <br> Subtraction within Ten | U20 | Adding with Addend Cards |
| U14 | Computations and Algebraic Thinking - <br> "Chicago Pizza Blues" (within 10) |  |  |

## K.N.3.2

Break down cardinal numbers that are less than or equal to 10 and use the two-digit addition algorithm.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :---: |
| Code | Digital Student Experience | U22 | Beading the Difference |
| U14 | Computations and Algebraic Thinking - <br> Whole Part Part Subtraction Stories (within 10) |  |  |
| U18 | Number Sense - Decompose Numbers Less than or <br> Equal to Ten |  |  |

## Algebra

Perform and represent numerical operations indicating quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
4.0 Recognize, read, describe, and expand on repeating and increasing patterns.

| K.A.4.1 |  |  |  |
| :---: | :---: | :---: | :--- |
| Identify and extend a pattern using objects, silhouettes, figures, symbols, sounds and/or movements in daily life situations. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| Code | Digital Student Experience |  | U1 |
| U1 | Computations and Algebraic Thinking - Replicate Simple, <br> Repeating Patterns | Pattern Detectives |  |
|  |  | U1 | Building Patterns with Junk |
|  |  | ISIP | Pattern Rules |
|  |  | ISIP | Identify the Pattern Rule, Duplicate and Extend Patterns |
|  |  | ISIP | Find the Rule of a Pattern |

## K.A.4. 1

Identify and extend a pattern using objects, silhouettes, figures, symbols, sounds and/or movements in daily life situations.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
|  |  | ISIP | Identify, Duplicate, and Extend Growing Patterns |
|  |  | ISIP | Identify, Duplicate, and Extend Sequential Patterns |
|  |  | ISIP | Use a Rule to Duplicate a Pattern |

## Geometry

Perform and represent numerical operations including quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
6.0 Recognize, identify, and name geometric figures in their environment.
K.G.6.1

| Name, identify, and describe two-dimensional and three-dimensional shapes regardless of orientation or general size. |  |  |  |
| :---: | :--- | :---: | :--- |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code |  |
| U1 | Geometry - Identify Circles | U1 | Identifying Two-Dimensional Shapes |
| U1 | Geometry - Identify Squares | U3 | We're Going on a Shape Hunt |
| U3 | Geometry - Identify Triangles | U9 | Considering Sizes of Shapes |
| U9 | Geometry - Identifying Shapes Regardless of Orientation | U14 | Odd One Out |
| U14 | Geometry - Identify Three-Dimensional Shapes | U14 | Shape Four-in-a-Row |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

$\left\lvert\,$| K.G.6.2 |
| :--- |
| Sort and classify two-dimensional and three-dimensional figures by their shape and size. |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |
| Code |$\quad$|  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| U14 |  |  |  |  |  |  |
| Digital Student Experience |  |  |  |  | Code |  |\right.

7.0 Recognize, build, and analyze two-dimensional and three-dimensional figures.

| K.G.7.1 |  |  |  |
| :---: | :---: | :---: | :--- |
| Classify geometric figures as two-dimensional or three-dimensional. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code |  |
| U14 | Geometry - Identify Three-Dimensional Shapes | U14 | Shape Four-in-a-Row |


| K.G.7.2 |  |  |
| :---: | :---: | :--- |
| Classify, recognize, and name two-dimensional figures by their shape and size. |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |
| Code | Digital Student Experience | Code |
| U1 | Geometry - Identify Circles | U1 | Identifying Two-Dimensional Shapes | Teacher Resources |
| :--- |
| U1 |
| Geometry - Identify Squares |
| U3 |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## K.G.7.2

Classify, recognize, and name two-dimensional figures by their shape and size.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U9 | Geometry - Identify Shapes Regardless of Orientation | U9 | Mighty Shape Match |
| U9 | Geometry - Classify and Count by Attribute | U14 | Shape Four-in-a-Row |
| U14 | Geometry - Identify Three-Dimensional Shapes |  |  |

## K.G.7.4

Classify, recognize, and name three-dimensional figures such as a sphere, cube, cylinder, cone, and pyramid.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :--- | :--- | :--- | :--- |
|  |  |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Measurement

Correctly apply systems, measurement tools, and techniques by making connections between spatial and numerical concepts.
8.0 Classify, compare, and sort objects by category.

| K.M.8.1 |  |  |  |
| :---: | :--- | :---: | :--- |
| Identify, describe, classify, compare and order up to three objects by size (large, medium, or small) and/or weight. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| Code | Digital Student Experience | U10 | Directly Comparing Length |
| U10 | Measurement and Data Analysis - Directly Comparing <br> Length | U10 | Directly Comparing Weight |
| U10 | Measurement and Data Analysis - Directly Comparing <br> Weight | U15 | Directly Comparing Height |
| U15 | Measurement and Data Analysis - Directly Comparing <br> Height | Which Holds More? Which Holds Less? |  |
| U15 | Measurement and Data Analysis - Directly Compare <br> Capacity of Two Containers | U15 |  |

10.0 Recognize time relationships.

## K.M. 10.5

Recognize the information in a calendar (example: days of the week, months of the year).

$$
\text { MP } 1,2,3,4,5,6,7,8
$$

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
|  |  | U7 | Calendar Counting (1-30) |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

11.0 Recognize the value of coins.

## K.M.11.1

Identify the value of coins ( $1 \not \subset, 5 \not \subset, 10 \notin, 25 \phi)$.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
|  |  | U14 | Coin Value Cover-Up (Penny/Nickel/Dime/Quarter) |

## Data Analysis and Probability

Apply different collection methods, organization, interpretation, and presentation of data to describe, make inferences and predictions, draw conclusions, and make decisions.
12.0 Collect, organize, and represent data in pictorial and bar graphs.

| K.E.12.1 |  |  |  |
| :---: | :--- | :--- | :--- |
| Collect, organize, and represent data in pictorial and bar graphs when using concrete objects. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code |  |  |
| Code | Digital Student Experience | Teacher Resources |  |
| U3 | Measurement and Data Analysis - Compare Data in <br> Horizontal Picture Graphs |  |  |
| U4 | Measurement and Data Analysis - Answer Data in Picture <br> Graphs |  |  |
| U19 | Measurement and Data Analysis - Represent and <br> Interpret Data in Picture Graphs |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Grade 1

## Numbering and Operation

Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
1.0 Recognize the relationship between cardinal numbers up to three digits, the quantities they represent, and the place value of their digits.

| 1.N.1.1 |  |  |  |
| :---: | :--- | :---: | :--- |
| Count, read, and write cardinal numbers of up to three digits from a given number. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code |  |
| U17 | Number Sense - "Pattern of the Count" Count by Ones to <br> 100 | U14 | One Hundred Is a Lot |
| U17 | Number Sense - Place Value Rows (1-100) | U17 | Digit Deal (1-100) |
| U17 | Number Sense - Number Puzzle (1-100) | U18 | Mixed-Up, Fixed-Up |
| U21 | Number Sense - "Pattern of the Count" Count by Ones <br> and Tens to 100 | U21 | The Arrow Says (1-100) |
| U21 | Number Sense - Place Value Columns (1-100) | U23 | Decade Numbers |
| U21 | Number Sense - Number Puzzle (1-100) |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 1.N.1.2

Determine and write the number that goes before, between and after using cardinal numbers up to three digits.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Teacher Resources |  |
| U17 | Number Sense - "Pattern of the Count" Count by Ones to <br> 100 | U 14 | One Hundred Is a Lot |
| U17 | Number Sense - Number Puzzle (1-100) | U 17 | Digit Deal (1-100) |
| U21 | Number Sense - "Pattern of the Count" Count by Ones <br> and Tens to 100 | U 18 | Mixed-Up, Fixed-Up |
| U21 | Number Sense - Number Puzzle (1-100) | U 21 | The Arrow Says (1-100) |
| U23 | Number Sense - "Pattern of the Count" Count by Ones <br> and Tens to 100 | U 23 | Decade Numbers |
| U23 | Number Sense - Number Puzzle Decade Numbers |  |  |

## 1.N.1.4

Compare and order cardinal numbers up to three digits based on the meaning of the hundreds, tens, and units, and record the result of the comparisons using the symbols >, =, and <.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
|  |  | ISIP | Base Ten Block Comparison Game |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

2.0 Numbers and operations with base ten.

## 1.N.2.1

Apply the place value of a cardinal number up to three digits to:

- represent 10 units as a ten.
- represent hundreds, tens and units.
- compose and decompose numbers.
- represent using expanded notation.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :---: | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
|  |  | ISIP | Base Ten Block Basics |
|  |  | ISIP | Matching Numerals and Base Ten Blocks |

3.0 Represent and solve addition and subtraction problems with totals up to 100 .

| 1.N.3.1 |  |  |  |
| :---: | :--- | :---: | :--- |
| Solve addition and subtraction problems fluently. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code |  |
| U10 | Computations and Algebraic Thinking - "Part Part Whole <br> in New Orleans" (1-20) | U 10 | Dogs and Cats on Mats (up to Ten) |
| U10 | Computations and Algebraic Thinking - Addition Stories | U 12 | Ten or Not Ten |
| U12 | Computations and Algebraic Thinking - Identifying <br> Addends Using Tens Frames | U 13 | Whole in the Hand |

## 1.N.3.1

Solve addition and subtraction problems fluently.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U20 | Computations and Algebraic Thinking - "Part Part Whole <br> in New Orleans" (1-20) | U20 | Turn Around Addition |
| U20 | Computations and Algebraic Thinking - Addition Stories <br> (horizontal orientation) | U20 | Grouping Groceries |
| U20 | Computations and Algebraic Thinking - Addition Stories <br> (vertical orientation) | U20 | Identity Property Go Fish! |
| U20 | Computations and Algebraic Thinking - "The Math Whiz" | U20 | Doubles Facts |
| U20 | Computations and Algebraic Thinking - Fact Strategies | ISIP | Building Sums to Ten |
| U20 | Computations and Algebraic Thinking - Commutative <br> Property | ISIP | Place Value of Tens and One |
| U20 | Computations and Algebraic Thinking - Associative <br> Property | ISIP | Fact Family Dominoes |
| U20 | Computations and Algebraic Thinking - Identity Property | FP | Addition Fast Track |
|  |  | FP | Sticky Sums |
|  |  | FP | Write, Tally, Draw |
|  |  | FP | Shake It, Make It, Solve It (Addition) |
|  |  | FP | Wipe Out |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 1.N.3.2

Solve addition problems with three addends fluently.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U16 | Computations and Algebraic Thinking - Determine the <br> Unknown Whole Number in Addition Sentences | U16 | Beginning-Middle-End |
|  |  | U24 | Mystery in the Middle |

## 1.N.3.1

Apply the properties (commutative and associative) of operations as strategies to add and subtract. To add $2+6+4$; the last two numbers can be added to form a ten; therefore $2+6+4=2+10=12$ (Associative property of the sum). (Students don't have to know or use the formal names of these properties.)

$$
\text { MP } 1,2,3,4,5,6,7,8
$$

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U10 | Computations and Algebraic Thinking - "Part Part Whole <br> in New Orleans" (1-20) | U 10 | Dogs and Cats on Mats (up to Ten) |
| U10 | Computations and Algebraic Thinking - Addition Stories | U 12 | Ten or Not Ten |
| U12 | Computations and Algebraic Thinking - Identifying <br> Addends using Tens Frames | U 13 | Whole in the Hand |
| U20 | Computations and Algebraic Thinking - "Part Part Whole <br> in New Orleans" (1-20) | U 20 | Turn Around Addition |
| U20 | Computations and Algebraic Thinking - Addition Stories <br> (horizontal orientation) | U20 | Grouping Groceries |

## 1.N.3.1

Apply the properties (commutative and associative) of operations as strategies to add and subtract. To add $2+6+4$; the last two numbers can be added to form a ten; therefore $2+6+4=2+10=12$ (Associative property of the sum). (Students don't have to know or use the formal names of these properties.)

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U20 | Computations and Algebraic Thinking - Addition Stories <br> (vertical orientation) | U20 | Identity Property Go Fish! |
| U20 | Computations and Algebraic Thinking - "The Math Whiz" | U20 | Doubles Facts |
| U20 | Computations and Algebraic Thinking - Fact Strategies | ISIP | Building Sums to Ten |
| U20 | Computations and Algebraic Thinking - Commutative <br> Property | ISIP | Place Value of Tens and One |
| U20 | Computations and Algebraic Thinking - Associative <br> Property | ISIP | Fact Family Dominoes |
| U20 | Computations and Algebraic Thinking - Identity Property | FP | Addition Fast Track |
|  |  | FP | Sticky Sums |
|  |  | FP | Write, Tally, Draw |
|  |  | FP | Shake It, Make It, Solve It (Addition) |
|  | FP | Wipe Out |  |

## 1.N.3. 4

Add three-digit cardinal umbers and use various strategies such as the sum of a two-digit number and a one-digit number and the sum of a twodigit number with a multiple of 10; use concrete models, drawings and strategies based on place value, properties of operations and/or the relationship between addition and subtraction; relate the strategy with a written method and explain the reasoning employed.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U20 | Computations and Algebraic Thinking - "The Math Whiz" | U20 | Doubles Facts |
| U20 | Computations and Algebraic Thinking - Fact Strategies | U20 | Turn Around Addition |
| U20 | Computations and Algebraic Thinking - Commutative <br> Property | U20 | Grouping Groceries |
| U20 | Computations and Algebraic Thinking - Associative <br> Property | U20 | Identity Property Go Fish! |
| U20 | Computations and Algebraic Thinking - Identity Property | U24 | Start, Change, Result! (within 20) |
|  |  | ISIP | Fact Family Dominoes |
|  |  | FP | Building Sums to Ten |
|  |  | FP | Addition Fast Track |
|  |  | FP | Subtraction Fast Track |
|  |  | FP | Sticky Sums |
|  |  | FP | Write, Tally, Draw |
|  |  | FP | Wipe Out |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

1.N.3.5

| Relate counting to addition and subtraction (e.g., by counting on 2 to add 2). |  |  |  |
| :--- | :--- | :---: | :--- |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience |  |  |
|  |  | U22 | Beading the Difference |
|  |  | U22 | Mystery in the Middle |
|  |  | U24 | Start, Change, Result! (within 20) |

4.0 Identify and represent fractions.

| 1.N.4.1 |  |  |  |
| :---: | :---: | :---: | :--- |
| Identify, name and represent unit fractions (1/2, $1 / 4$, among others). |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code |  |
| U18 | Geometry - Identify Halves and Fourths | U18 | Fraction Four-in-a-Row |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 1.N.4.2

Represent and compare fractions as part of an integer or set with concrete and semi-concrete materials.
Note: These lessons are located in other sections of the program; digital activities can be assigned.

$$
\text { MP } 1,2,3,4,5,6,7,8
$$

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :---: |
| U32 | Geometry - Partitioning to Identify Halves, Thirds, and <br> Fourths | U32 | Equal Shares of Identical Wholes |
| U32 | Geometry - Equal Shares of Identical Wholes |  |  |

## Algebra

Perform and represent numerical operations indicating quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
5.0 Recognize, read, and describe, and expand on repeating and increasing patterns.

## 1.A.5.1

Recognize numerical patterns, by $2 \mathrm{~s}, 3 \mathrm{~s}$ (up to 30 ), 5 s , and 10 s using cardinal numbers with up to three digits from a given number.

$$
\text { MP } 1,2,3,4,5,6,7,8
$$

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U14 | Number Sense - "Hens by Tens" | U16 | Tally Mark Dominoes |
| U14 | Number Sense - Count the Hen Amount | U18 | Mixed-Up, Fixed-Up |
| U14 | Number Sense - Count Hens to the Target | U22 | Skip Counting Race |
| U14 | Number Sense - Choose the Correct Amount | ISIP | Counting by Fives |
| U17 | Number Sense - "Pies by Fives" | ISIP | Skip Counting Rods |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 1.A.5.1

Recognize numerical patterns, by $2 \mathrm{~s}, 3 \mathrm{~s}$ (up to 30 ), 5 s , and 10 s using cardinal numbers with up to three digits from a given number.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code |  |
| :---: | :--- | :--- | :--- |
| U17 | Number Sense - Count the Pie Amount |  |  |
| U17 | Number Sense - Count Pies to the Target |  |  |
| U17 | Number Sense - Choose the Pie Recipe |  |  |
| U22 | Number Sense - "Shoes by Twos" |  |  |
| U22 | Number Sense - Count the Shoe Amount |  |  |
| U22 | Number Sense - Count Shoes to the Target |  |  |
| U22 | Number Sense - Choose the Correct Amount |  |  |

## 1.A.5.2

Recognize, read, describe, identify, complete and create repetition patterns and other patterns that include concrete models, geometric shapes, movements, sounds and numbers, and use them in everyday situations to solve problems.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U14 | Number Sense - "Hens by Tens" | U16 | Tally Mark Dominoes |
| U14 | Number Sense - Count the Hen Amount | U18 | Mixed-Up, Fixed-Up |
| U14 | Number Sense - Count Hens to the Target | U22 | Skip Counting Race |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 1.A.5. 2

Recognize, read, describe, identify, complete and create repetition patterns and other patterns that include concrete models, geometric shapes, movements, sounds and numbers, and use them in everyday situations to solve problems.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U14 | Number Sense - Choose the Correct Amount | ISIP | Counting by Fives |
| U17 | Number Sense - "Pies by Fives" | ISIP | Skip Counting Rods |
| U17 | Number Sense - Count the Pie Amount |  |  |
| U17 | Number Sense - Count Pies to the Target |  |  |
| U17 | Number Sense - Choose the Pie Recipe |  |  |
| U22 | Number Sense - "Shoes by Twos" |  |  |
| U22 | Number Sense - Count the Shoe Amount |  |  |
| U22 | Number Sense - Count Shoes to the Target |  |  |
| U22 | Number Sense - Choose the Correct Amount |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

6.0 Use number expressions and relationships to solve problems and determine if an addition or subtraction equation is true or false.

| 1.A.6.3 |  |  |  |
| :---: | :--- | :---: | :--- |
| Apply properties of operations as strategies to add and subtract. Examples: If $8+3=11$ is known, then $3+8=11$ is also known (Commutative <br> property of addition). To add $2+6+4$, the second two numbers can be added to make a ten, so $2+6+4=2+10=12$ (Associative property of <br> addition). |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| Code | Digital Student Experience | U16 | Beginning-Middle-End |
| U16 | Computations and Algebraic Thinking - Determine the <br> Unknown Whole Number in Addition Sentences | U20 | Doubles Facts |
| U20 | Computations and Algebraic Thinking - "The Math Whiz" |  |  |
| U20 | Computations and Algebraic Thinking - Doubles Strategy | U20 | Turn Around Addition |
| U20 | Computations and Algebraic Thinking - Commutative <br> Property of Addition | U20 | Grouping Groceries |
| U20 | Computations and Algebraic Thinking - Associative <br> Property of Addition | U20 | Identity Property Go Fish! |
| U20 | Computations and Algebraic Thinking - Identity Property <br> of Addition | ISIP | Counting on Cards |
| U24 | Computations and Algebraic Thinking - Determine the <br> Unknown Whole Numbers in Subtraction Sentences | ISIP | Fact Family Dominoes |
|  |  | ISIP | Associative Property of Addition |
|  |  | ISIP | Commutative Property of Addition |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 1.A.6.4

Write and solve numerical expressions of real-life situations that express relationships between addition and subtraction.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :---: | :---: | :---: |
| Code | Digital Student Experience | Code | Teacher Resources |
| U22 | Computations and Algebraic Thinking - Whole Part Part "Chicago Pizza Blues" (within 20) | U18 | Decomposing House |
| U22 | Computations and Algebraic Thinking - Whole Part Part (within 20) | U19 | Decomposing House with Pictures |
| U24 | Computations and Algebraic Thinking - Subtraction Stories (within 20) | U22 | Beading the Difference |
| U24 | Computations and Algebraic Thinking - Determine the Unknown Whole Numbers in Subtraction Sentences | U22 | Mystery in the Middle |
|  |  | U24 | Start, Change, Result! (within 20) |
|  |  | ISIP | Subtraction Stories |
|  |  | ISIP | Fact Family Dominoes |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

7.0 Use the properties as a strategy to carry out operations.

| 1.A.6.5 |  |  |  |
| :---: | :--- | :---: | :--- |
| Use the properties (commutative and associative) to add and subtract and include the identity. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| Code | Digital Student Experience | U20 | Grouping Groceries |
| U20 | Computations and Algebraic Thinking - Commutative <br> Property of Addition | U20 | Identity Property Go Fish! |
| U20 | Computations and Algebraic Thinking - Associative <br> Property of Addition | Computations and Algebraic Thinking - Identity Property <br> of Addition | Associative Property of Addition |
| U20 |  | ISIP | Commutative Property of Addition |

## Measurement

Correctly apply systems, measurement tools, and techniques by making connections between spatial and numerical concepts.
11.0 Recognize and use measures of time.

| 1.M.11.1 |  |  |  |
| :---: | :---: | :---: | :--- |
| Read, write and interpret the clock (analog and digital) up to the half hour mark. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code |  |
|  |  | U7 | Calendar Counting |

## 1.M.11.2

Read, write and interpret the calendar information (days of the week and month).

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| Code | U16 | What Does the Clock Say? |  |
| U16 | Measurement and Data Analysis - Tell Time to the <br> Nearest Hour | U16 | Roll the Clock |
| U16 | Measurement and Data Analysis - Tell and Write Time <br> from Analog and Digital Clock to the Nearest Half Hour | U19 | Set the Time and Go! |
| U19 | Measurement and Data Analysis - Tell and Write Time <br> from Analog/Digital Clocks to the Nearest Hour and Half <br> Hour | Uner |  |

12.0 Recognize and identify the value of coins up to $25 \not \subset$ and determine equivalents to solve problems.

## 1.M.12.1

Use different combinations of currencies to represent equivalence and solve problems in which one determines whether an item can be purchased from a monetary amount of up to $25 \phi$.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U16 | Measurement and Data Analysis - Identify the Value of a <br> Collection of Mixed Coins | U14 | Coin Value Cover-Up (Penny/Nickel/Dime/Quarter) |
| U16 | Measurement and Data Analysis - Compare Amounts of <br> Mixed Coins | U14 | Money Match |
| U19 | Measurement and Data Analysis - Compare Amounts of <br> Mixed Coins with Given Amounts of Money | U24 | Enough Money? |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

13.0 Identify and estimate standardized and arbitrary measures of length (inch, foot, and meter).


## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Data Analysis and Probability

Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
14.0 Collect, organize, and interpret data in bar graphs, pictorial graphs, and tables to solve problems.

| $\left\lvert\,$1.E.14.1 <br> Interpret the parts of a graph to solve problems. <br> MP 1, 2, 3, 4, 5, 6, 7, 8 <br> Code$\quad\right.$ Digital Student Experience |
| :--- |

## 1.E.14.2

Collect, organize, and interpret data using concrete materials, sheets and pictorial graphics; formulate and answer simple questions related to the data.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Teacher Resources |  |  |
| :---: | :---: | :---: | :--- |
| Code | Digital Student Experience | U19 | Graphing Tic-Tac-Toe |
|  |  | ISIP | Picture Graphs to the Rescue! |
|  |  | ISIP | Analyze and Add Using Picture Graphs |
|  |  | ISIP | Graphing Three Ways |
|  |  |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 1.E.14.2

Collect, organize, and interpret data using concrete materials, sheets and pictorial graphics; formulate and answer simple questions related to the data.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :--- | :--- | :--- | :--- |
|  |  | ISIP | Determining Most and Least with Graphs |
|  |  | ISIP | Read and Analyze Bar Graphs |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Grade 2

## Numbering and Operation

Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
1.0 Recognize the relationship between cardinal numbers up to four digits, the quantities they represent and the place value of their digits.

| 2.N.1.1 |  |  |  |
| :---: | :---: | :---: | :---: |
| Count, order, read, and write cardinal numbers up to four digits from a given number. Identify and represent the four-digit cardinal number, based on the meaning of thousands, hundreds, tens, and units. Write the ordering and comparison answer by <br> - a succession or pattern. <br> - the use of comparison signs <, >, or =. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code | Teacher Resources |
| U30 | Number Sense - Comparing Two Two-Digit Whole Numbers | U30 | Comparison - Two-Digit Numbers: Language and Symbols |
| U30 | Number Sense - Comparing Two Three-Digit Numbers | U30 | Comparison - Three-Digit Numbers |
| U30 | Number Sense - Comparing Two Three-Digit Whole Numbers with Zeroes | ISIP | Steps for Comparing Three-Digit Numbers |
| U30 | Number Sense - Writing Standard Form from Expanded Form | ISIP | Building and Comparing Three-Digit Numbers |
| U30 | Number Sense - Writing Expanded Form from Standard Form | U30 | Building Numbers Using Base Ten Blocks |
| U30 | Number Sense - Writing Word Form from Expanded and Standard Form | U30 | Writing Expanded Form from Standard Form |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 2.N.1.1

Count, order, read, and write cardinal numbers up to four digits from a given number. Identify and represent the four-digit cardinal number, based on the meaning of thousands, hundreds, tens, and units. Write the ordering and comparison answer by

- a succession or pattern.
- the use of comparison signs $<,>$, or $=$.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :--- | :--- | :---: | :--- |
|  |  | U30 | Writing Word Form from Expanded and Standard Form |
|  |  | ISIP | Equivalent Representations |
|  |  | ISIP | Build a Base Ten Cube |
|  |  | ISIP | Creating Numbers with Base Ten Blocks |
|  |  | ISIP | Expanded Form Place Value Cups |
|  |  | ISIP | Writing Standard Form from Expanded Form |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 2.N.1.2

Recognize and identify odd and even numbers:

- Determine if a set of objects has an odd or even number of members (example: When matching objects or counting them in groups of 2).
- Explain why the sum of two even numbers is even and the sum of two odd numbers is even.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :---: |
| Code | Digital Student Experience | U30 | Determining Even and Odd by Pairing |
| U30 | Computations and Algebraic Thinking - Even and Odd <br> Pairing |  |  |

## 2.N.1.3

Apply the place value of a cardinal number up to four digits to represent thousands, hundreds, tens, and units. Understand the following special cases:

- It can be said that 100 is a group of ten tens - called a "hundred."
- The numbers $100,200,300,400,500,600,700,800,900$ refer to one, two, three, four, five, six, seven, eight, or nine hundred (with 0 tens and 0 units).
- Compose and decompose cardinal numbers up to four digits. Use the notation developed to represent cardinal numbers of up to four digits.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U30 | Number Sense - Writing Standard Form from Expanded <br> Form | U30 | Building Numbers Using Base Ten Blocks |
| U30 | Number Sense - Writing Expanded Form from Standard <br> Form | U30 | Writing Expanded Form from Standard Form |

## 2.N.1.3

Apply the place value of a cardinal number up to four digits to represent thousands, hundreds, tens, and units. Understand the following special cases:

- It can be said that 100 is a group of ten tens - called a "hundred."
- The numbers $100,200,300,400,500,600,700,800,900$ refer to one, two, three, four, five, six, seven, eight, or nine hundred (with 0 tens and 0 units).
- Compose and decompose cardinal numbers up to four digits. Use the notation developed to represent cardinal numbers of up to four digits.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U30 | Writing Word Form from Expanded and Standard Form |
| U30 | Number Sense - Writing Word Form from Expanded and <br> Standard Form | ISIP | Equivalent Representations |
|  |  | ISIP | Build a Base Ten Cube |
|  |  | ISIP | Creating Numbers with Base Ten Blocks |
|  |  | ISIP | Expanded Form Place Value Cups |
|  |  | ISIP | Writing Standard Form from Expanded Form |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 2.N.1.5

Represent cardinal numbers as lengths from 0 on a number line diagram with the points corresponding to the numbers $0,1,2, \ldots$, located at the same distance from 0; represent sums and differences of cardinal numbers up to 100 on a number line diagram.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U31 | Computations and Algebraic Thinking - Adding on a <br> Number Line | U31 | Adding on a Number Line |
| U31 | Computations and Algebraic Thinking - Subtracting on a <br> Number Line | U31 | Subtracting on a Number Line |

2.0 Operations with base ten (place value).

## 2.N.2.1

Fluently add and subtract up to four digits when using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction without regrouping.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U31 | Computations and Algebraic Thinking - Adding with <br> Regrouping Using Concrete Models | U31 | Adding with Regrouping - Concrete |
| U31 | Computations and Algebraic Thinking - Subtracting with <br> Regrouping Using Concrete Models | U31 | Addition Using Partitioning |
| U31 | Computations and Algebraic Thinking - Adding with <br> Regrouping - Partitioning | U31 | Subtraction Using Partitioning |
| U31 | Computations and Algebraic Thinking - Subtracting with <br> Regrouping - Partitioning | U31 | Adding on a Number Line |

## 2.N.2.1

Fluently add and subtract up to four digits when using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction without regrouping.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| Code | Computations and Algebraic Thinking - Adding on a <br> Number Line | Subtracting on a Number Line |  |
| U31 | Computations and Algebraic Thinking - Subtracting on a <br> Number Line | U31 | Fact Families - Addition and Subtraction |
| U31 | Computations and Algebraic Thinking - Fact Families - <br> Addition and Subtraction | ISIP | Partitioning for Addition |
|  |  | ISIP | Using Arrow Paths to Add and Subtract |
|  |  | FP | Fact Family Dominos (Addition/Subtraction) |
|  |  | FP | Addition Fast Track |
|  |  | FP | Subtraction Fast Track |
|  |  | FP | Left Hand, Right Hand Grab Bag |
|  |  | FP | Shake It! Make It! Solve It! Addition |
|  |  | FP | Wipe Out |
|  |  | FP | Write, Tally, Draw |
|  |  |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

3.0 Identify, express, recognize, represent, and use different representations for fractions and understand that a fraction $n / d$ is constructed from $n$ unit fractions of the $1 / d$.
2.N.3.1

| Identify, recognize, and write different representations for unit fractions with concrete and semi-concrete models. |
| :--- |
| Note:* These lessons are located in other sections of the program; digital activities can be assigned. |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |
| Code |$\quad$|  |  |  |
| :--- | :---: | :--- |
|  | Digital Student Experience | Code |
|  | ISIP | Recognizing Fractions in Different Forms |
|  |  | ISIP |


| 2.N.3.2 |  |  |  |
| :---: | :---: | :---: | :---: |
| Represent and compare fractions as part of an integer or set with concrete and semi-concrete materials. <br> Note: These lessons are located in other sections of the program; digital activities can be assigned. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code | Teacher Resources |
|  |  | ISIP | Recognizing Fractions in Different Forms |
|  |  | ISIP | Writing Fractions Using Symbolic Notation |

## 2.N.3.3

Identify and represent the parts of an integer in different ways; use two-dimensional sets of figures (examples: Divide rectangles into two, three, or four equal parts).

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :---: |
| U32 | Geometry - Partitioning to Identify Halves, Thirds, and <br> Fourths | U32 | Equal Shares of Identical Wholes |
| U32 | Geometry - Equal Shares of Identical Wholes |  |  |

4.0 Represent and solve additiona and subtraction problems with cardinal numbers up to four digits.

## 2.N.4.3

Solve addition and subtraction problems in everyday situations:

- Use the inverse relationship between addition and subtraction to solve problems and check results.
- Express the answer in verbal or numerical form.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U32 | Computations and Algebraic Thinking - Two-Step Word <br> Problems with Unknowns at the End | U32 | Build Multistep Equations |
| U32 | Computations and Algebraic Thinking - Two-Step Word <br> Problems with Unknowns in the Middle | U32 | Build and Solve Two-Step Equations with Addition and <br> Subtraction |
|  |  | U32 | Build Multistep Equations with Multiple Operations |
|  |  | U32 | Solve Multistep Equations |
|  |  | ISIP | Choosing the Operation |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

5.0 Understand and interpret rectangular arrays as multiplication models with factors equal to or less than 5.

## 2.N.5.1

Use repeated sums to represent and determine the process of multiplying by:

- drawings, illustrations, concrete and semi-concrete materials.
- rectangular arrangements.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
| U32 | Computations and Algebraic Thinking - Addition Arrays | U32 | Addition Arrays |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Algebra

7.0 Recognize, read, describe, identify, extend, and create numerical and geometric patterns.

| 2.A.7.1 |  |  |  |
| :---: | :---: | :---: | :---: |
| Recognize numerical and geometric patterns (example: Count of by 5 s , 10 s , and 100 s ). <br> Note: These lessons are located in other sections of the program; digital activities can be assigned. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code | Teacher Resources |
| U14 | Number Sense - "Hens by Tens" | U16 | Tally Mark Dominoes |
| U14 | Number Sense - Count the Hen Amount | U18 | Mixed-Up, Fixed-Up |
| U14 | Number Sense - Count Hens to the Target | U22 | Skip Counting Race |
| U14 | Number Sense - Choose the Correct Amount | ISIP | Counting by Fives |
| U17 | Number Sense - "Pies by Fives" | ISIP | Skip Counting Rods |
| U17 | Number Sense - Count the Pie Amount |  |  |
| U17 | Number Sense - Count Pies to the Target |  |  |
| U17 | Number Sense - Choose the Pie Recipe |  |  |
| U22 | Number Sense - "Shoes by Twos" |  |  |
| U22 | Number Sense - Count the Shoe Amount |  |  |
| U22 | Number Sense - Count Shoes to the Target |  |  |
| U22 | Number Sense - Choose the Correct Amount |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

Perform and represent numerical operations indicating quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
9.0 Apply the concept of equality.

## 2.A.9.1

Identify, recognize, and establish equal relationships. Use words, models, and symbols to demonstrate equal relationships: geometric, numerical, and operational.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U32 | Geometry - Addition Arrays | U32 | Addition Arrays |

10.0 Use number expressions and relationships to describe qualitative and quantitative changes.

## 2.A.10.2

Use the sum to find the total number of objects that are arranged in rectangular arrangements of up to 5 rows and 5 columns; write an equation to express the total as the sum of equal addends.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U32 | Geometry - Addition Arrays | U32 | Addition Arrays |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Measurement

Correctly apply systems, measurement tools, and techniques by making connections between spatial and numerical concepts.
14.0 Identify and use standardized units of length, weight, and capacity.

## 2.M.14.2

Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, metersticks, and measuring tapes.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U33 | Measurement - Choose Units and Measure Lengths | U33 | Choosing Units of Linear Measurement |
| U33 | Measurement - Measure to the Nearest Centimeter | U33 | Measure to the Nearest Inch |
|  |  | U33 | Measure to the Nearest Centimeter |
|  |  | ISIP | Appropriate Tools for Linear Measurement |
|  |  | ISIP | How to Use Linear Measurement Tools |
|  |  | ISIP | Measuring Objects |
|  |  | ISIP | Ruler Relay |
|  |  |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 2.M.14.3

Use addition and subtraction until you get to 100 to solve problems that include lengths in the same units.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Digital Student Experience | Teacher Resources |
| :---: | :--- | :---: | :--- |
| Code | U31 <br> U31 <br> Numbetations and Algebraic Thinking - Adding on a | Adding on a Number Line |  |
| U31 | Computations and Algebraic Thinking - Subtracting on a <br> Number Line | U31 | Subtracting on a Number Line |


| 2.M.14.4 |  |  |  |  |
| :--- | :---: | :--- | :---: | :---: |
| Describe the relationship between inch, foot and yard, as well as the relationship between millimeter, centimeter and meter. |  |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |  |
| Code |  |  |  |  |
|  | Digital Student Experience | Code |  |  |

15.0 Recognize and use units of time.

## 2.M.15.1

Read, write and interpret the time on analog and digital clocks up to the nearest 5 minutes, using a.m. and p.m., and solve everyday problems.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
|  | U34 | Measurement - Tell Time to the Nearest Five Minutes | U34 | Time to the Nearest Five Minutes | U34 |
| :--- |

## 2.M.15.1

Read, write and interpret the time on analog and digital clocks up to the nearest 5 minutes, using a.m. and p.m., and solve everyday problems.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
|  |  | U 34 | Time to the Quarter Hour |

16.0 Solve problems with amounts of money up to a dollar.

## 2.M.16.1

Read, write, represent and express monetary amounts and their equivalencies; include $1 ¢, 5 ¢, 10 ¢$, and $25 \phi$ up to $\$ 1.00$.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :---: | :---: | :--- |
| Code | Digital Student Experience | U14 | Money Match |
|  |  | U24 | Enough Money? |
|  |  |  |  |

## 2.M.16.2

Solve word problems involving dollar bills and $1 ¢, 5 ¢, 10 ¢$, and $25 ¢$ coins, using the symbols $\$$ and $¢$ correctly.

| MP $1,2,3,4,5,6,7,8$ |  |  |  |
| :---: | :---: | :---: | :--- |
| Code | Digital Student Experience | Code |  |
|  |  | U32 | Money Word Problems |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

17.0 Determine perimeter and area using concrete and semi-concrete models.

| 2.M.17.1 |
| :--- |
| Determine the perimeter using concrete and semi-concrete models. <br> Note: These lessons are located in other sections of the program; digital activities can be assigned. <br> MP $1,2,3,4,5,6,7,8$ <br> Code <br> Digital Student Experience <br> U38 Measurement - Perimeter Word Problems |


| 2.M.17.2 |
| :--- |
| Determine the area by using concrete and semi-concrete models in regular quadrilaterals. <br> Note: These lessons are located in other sections of the program; digital activities can be assigned. <br> MP 1, 2, 3, 4, 5, 6, 7, 8 <br> Code$\quad$   <br>  Digital Student Experience Code <br>  ISIP Areas of Squares <br>   ISIP |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Data Analysis and Probability

Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
18.0 Solve problems that require data in tables, bar graphs, and pictographs.

## 2.E.18.1

Use the information presented in a table, bar graph or pictograph.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U33 | Data Analysis - Solving Problems Using Information <br> Presented in Picture Graphs | U33 | Creating Picture Graphs |
| U33 | Data Analysis - Solving Problems Using Information <br> Presented in Bar Graphs | U33 | Interpreting Picture Graphs |
|  |  | U33 | Analyzing Picture Graphs |
|  |  | U33 | Creating Bar Graphs |
|  |  | U33 | Interpreting Bar Graphs |
|  |  | U33 | Analyzing Bar Graphs |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Grade 3

## Numbering and Operation

Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
1.0 Recognize the relationship between numbers, the quantities they represent, and the value and positional place of the digits of cardinal numbers up to five digits.

## 3.N.1.1

Determine and estimate the cardinality of a given set and identify, represent, count, read and write cardinal numbers up to five digits by means of:

- the number line
- concrete and semi-concrete models with base 10
- patterns and sequences by 100 s, 1,000 s and from any given number.
- compose and decompose numbers
- rounded numbers in the thousands, hundreds, tens and units to the nearest ten thousands .

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U35 | Number Sense - Rounding to the Nearest Ten | U35 | Rounding - Nearest Ten |
| U35 | Number Sense - Rounding to the Nearest Hundred | U35 | Rounding - Nearest Hundred |
|  |  | U35 | Rounding - Nearest Ten, Hundred, Thousand |

## 3.N.1. 2

Recognize and use the place value of the digits of cardinal numbers up to five digits.

- Compare and order numbers up to five digits by increasing and decreasing order using the number line
- Use expanded notation to represent numbers up to five digits.

Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :---: |
| U40 | Number Sense - Expanded Form to Thousands |  |  |
| U40 | Number Sense - Standard Form to Thousands |  |  |

### 2.0 Interpret and represent fractions.

## 3.N.2. 1

Identify, name, locate, and represent fractions, homogenous fractions, and equivalent fractions in the shaded parts of an integral or subset of objects in a set.with denominators up to the number 10; use concrete and semi-concrete models when using the number line

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U37 | Number Sense - Equivalent Fractions | U37 | Fractions Equivalent to One |
| U37 | Number Sense - Fractions Equivalent to One | U37 | Many Equivalent Fractions |
| U37 | Number Sense - Many Equivalent Fractions | U37 | Fractions Equivalent to Whole Numbers |
| U37 | Number Sense - Fractions Equivalent to Whole Numbers | U37 | Comparison - Fractions and Whole Numbers - Symbols |
| U37 | Number Sense - Mixed Numbers | U37 | Comparing Fractions with Like Numerators |

## 3.N.2. 1

Identify, name, locate, and represent fractions, homogenous fractions, and equivalent fractions in the shaded parts of an integral or subset of objects in a set.with denominators up to the number 10; use concrete and semi-concrete models when using the number line

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U37 | Identify Equivalent Fractions |
| U37 | Number Sense - Comparing Fractions with the Same <br> Denominator | ISIP | Comparing Fractions Using Models |
| U37 | Number Sense - Comparing Fractions with the Same <br> Numerator | ISIP | Comparing Fractions |
|  |  | ISIP | Identify Equivalent Fractions Using Area Models |
|  |  | ISIP | Recognizing Fractions in Different Forms |
|  | ISIP | Writing Fractions Using Symbolic Notation |  |
|  |  |  |  |

## 3.N.2.2

Determine equivalence of fractions and compare them.
Recognize and form simple equivalent fractions (example: $1 / 2=2 / 4,4 / 6=2 / 3$ ). Explain why the fractions are equivalent, and use concrete and semi-concrete models.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U37 | Number Sense - Equivalent Fractions | U37 | Fractions Equivalent to One |
| U37 | Number Sense - Fractions Equivalent to One | U37 | Many Equivalent Fractions |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 3.N.2. 2

Determine equivalence of fractions and compare them.
Recognize and form simple equivalent fractions (example: $1 / 2=2 / 4,4 / 6=2 / 3$ ). Explain why the fractions are equivalent, and use concrete and semi-concrete models.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U37 | Fractions Equivalent to Whole Numbers |
| U37 | Number Sense - Many Equivalent Fractions | U37 | Comparing Fractions with Like Numerators |
| U37 | Number Sense - Fractions Equivalent to Whole Numbers | U37 | Comparison - Fractions and Whole Numbers - Symbols |
| U37 | Number Sense - Mixed Numbers | U37 | Identify Equivalent Fractions |
| U37 | Number Sense - Comparing Fractions with the Same <br> Denominator | Number Sense - Comparing Fractions with the Same <br> Numerator | Comparing Fractions Using Models |
| U37 |  | ISIP | Comparing Fractions |
|  |  | ISIP | Identify Equivalent Fractions Using Area Models |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

4.0 Represent and solve problems involving multiplication and division.

## 3.N.4. 1

Demonstrate and develop fluency (mental calculation) in the basic combinations of multiplication and division of cardinal numbers between 1 and 10:

- describe the basic combinations of division by using multiplication as reference.
- use the inverse relationship between multiplication and division to perform computations, check results and solve problems; and
- interpret the products and quotients of cardinal numbers.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U35 | Arithmetic Patterns in Multiplication |
| U35 | Computations and Algebraic Thinking - <br> Arithmetic Patterns in Multiplication | U36 | One-Digit by One-Digit Multiplication |
| U36 | Computations and Algebraic Thinking - <br> Multiply One-Digit Numbers Using Concrete Models | U36 | Multiplying Two One-Digit Numbers with Arrays |
| U36 | Computations and Algebraic Thinking - Fact Families: <br> Multiplication and Division | U36 | Build and Solve Two-Step Equations with All Operations |
| U36 | Computations and Algebraic Thinking - <br> Two-Step Word Problems - All Operations | U36 | Fact Families: Multiplication and Division |
| U36 | Computations and Algebraic Thinking - <br> Properties of Multiplication | ISIP | Doubling and Halving |
|  |  | ISIP | Relating Multiplication and Division |
|  |  | ISIP | Practicing Fact Families |
|  |  | ISIP | Using Strip Diagrams to Solve Compare Problems |

## 3.N.4. 1

Demonstrate and develop fluency (mental calculation) in the basic combinations of multiplication and division of cardinal numbers between 1 and 10:

- describe the basic combinations of division by using multiplication as reference.
- use the inverse relationship between multiplication and division to perform computations, check results and solve problems; and
- interpret the products and quotients of cardinal numbers.

MP $1,2,3,4,5,6,7,8$

| Code | Digital Student Experience | Code | Teacher Resources |
| :--- | :--- | :--- | :--- |
|  |  | ISIP | Commutative Property of Multiplication |
|  |  | ISIP | Doubling and Halving |
|  |  | FP | Wipe Out |
|  |  | FP | Multominoes |
|  |  | FP | Tall Towers |
|  |  | Fice Blocks |  |
|  |  | FP | Multiplication Fast Track Products |
|  |  | FP | Shakision Fast Track It! Make It! Solve It! (Multiplication) |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 3.N.4. 2

Determine and interpret the quotient of cardinal numbers:

- with dividends up to two digits and one-digit divisors;
- in problems that involve division of cardinal numbers.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U36 | Fact Families: Multiplication and Division |
| U36 | Computations and Algebraic Thinking - Multiplication and <br> Division Fact Families | ISIP | Doubling and Halving |
|  |  | ISIP | Relating Multiplication and Division |
|  |  |  |  |

## 3.N.4.3

Determine the unknown cardinal number in a multiplication or division equation relating three cardinal numbers.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U36 | Computations and Algebraic Thinking - Build and Solve <br> Two-Step Equations with All Operations | U36 | Fact Families: Multiplication and Division |
|  |  | U36 | Build and Solve Two-Step Equations with All Operations |
|  |  | ISIP | Relating Multiplication and Division |
|  |  | ISIP | Practicing Fact Families |
|  |  | ISIP | Using Strip Diagrams to Solve Compare Properties |

## 3.N.4.3

Determine the unknown cardinal number in a multiplication or division equation relating three cardinal numbers.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :---: | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
|  |  | ISIP | Commutative Property of Multiplication |

## Algebra

Perform and represent numerical operations indicating quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
5.0 Recognize, read, describe and expand on repeating and increasing patterns.

| 3.A.5.1 |
| :--- |
| Identify, read and describe numerical and geometric patterns (including patterns in addition or multiplication tables) and expand them.    <br> MP 1, 2, 3, 4, 5, 6, 7, 8    <br> Code Digital Student Experience Code  <br> U35 Computations and Algebraic Thinking - Arithmetic <br> Patterns in Multiplication U35 Resources  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

6.0 Select the appropriate operations, properties and symbols to represent, describe, simplify, and solve numerical expressions and relationships.

## 3.A.6.3

Use properties as strategies to perform basic operations.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :---: |
| U36 | Computations and Algebraic Thinking - Properties of <br> Multiplication |  |  |

7.0 Solve problems involving relationships between quantities.

## 3.A.7. 2

Solve two-step problems using the four operations:

- outline problems using equations with one variable to represent the unknown value.
- evaluate answers using mental math, estimation and rounding.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U36 | Build and Solve Two-Step Equations with All Operations |
| U36 | Computations and Algebraic Thinking - Build and Solve <br> Two-Step Equations with All Operations | Problem Solving without Numbers: Multiplication and <br> Division |  |
|  |  | ISIP | Doubling and Halving |
|  |  | ISIP | Practicing with Fact Families |
|  |  | ISIP | Using Strip Diagrams to Solve Compare Problems |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Geometry

Perform and represent numerical operations including quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
8.0 Describe, compare, and recognize the basic elements and attributes of two-dimensional and three-dimensional figures.

\section*{3.G.8. 1 <br> Identify and represent points, rays, segments, lines, angles and planes. Recognize and draw perpendicular, parallel and non-parallel lines in mathematical and real-world situations. <br> Note: These lessons are located in other sections of the program; digital activities can be assigned. <br> MP 1, 2, 3, 4, 5, 6, 7, 8 <br> | Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
|  |  | ISIP | Line and Angle Identification |}


| 3.G.8.2 |
| :--- |
| Identify and classify polygons by the number of sides and angles.       <br> MP 1, 2, 3, 4,5,6,7,8       <br> Code Digital Student Experience    Code  <br> U38 Geometry - Attributes of Quadrilaterals U38 Understanding Quadrilaterals    <br>   ISIP Defining Quadrilaterals by Attributes    |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Measurement

Correctly apply systems, measurement tools, and techniques by making connections between spatial and numerical concepts.
11.0 Select and use the appropriate units of measurement and measuring instruments.

| 3.M.11.1 |
| :--- |
| Select the appropriate measurement tools (ruler, yardstick, meterstick, cup, balance, among others) and units (of the metric and English <br> systems) and estimate and measure the length, capacity, weight and mass of objects. Determine the appropriate unit of measure and/or size in <br> a situation that involves attributes such as length, time, capacity, or weight/mass. |
| Note: These lessons are located in other sections of the program; digital activities can be assigned. |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |
| Code |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

12.0 Determine the area and perimeter of two-dimensional figures. Relate area and perimeter to basic operations.

## 3.M.12.1

Relate the perimeter and area.

- Determine the perimeter to solve problems.
- Determine the area to solve problems.
- Use grids to determine, relate and demonstrate the perimeter and area with basic operations. Point out the difference between the measurements to determine the perimeter and area.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :---: | :---: | :--- |
| Code | Digital Student Experience | U38 | Finding Perimeter |
| U38 | Measurement - Perimeter Word Problems | U38 | Finding Missing Side Lengths in Word Problems |
|  |  | ISIP | Measuring Perimeter of Polygons |
|  |  |  |  |

13.0 Recognize and use units of time.

| 3.M.13.1 |  |  |  |
| :---: | :---: | :--- | :--- |
| Read, write, and interpret the hour and the nearest minute. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code |  |
| U39 | Measurement and Data Analysis - Elapsed Time on a <br> Number Line | U39 | Elapsed Time within One Hour |
|  |  | U39 | Elapsed Time Across Hours |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 3.M.13.1

Solve problems over time intervals up to the minute.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Digital Student Experience | Teacher Resources |
| :---: | :--- | :---: | :--- |
| Code | Measurement and Data Analysis - Elapsed Time on a <br> Number Line | Elapsed Time within One Hour |  |
| U39 |  | U39 | Elapsed Time Across Hours |

14.0 Solve problems with amounts of money.

## 3.M.11.1

Solve problems involving the addition and subtraction of money.
Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
|  |  | U32 | Money Word Problems (Retail Riddles) |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

15.0 Ask questions and collect, organize, and represent data in tables and bar and line graphs using concrete objects, pictures, or drawings.

## 3.E.15.1

Collect, organize, and represent data when using objects, tables, bar and linear graphs.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :---: |
| U39 | Measurement and Data Analysis - Two-Step Word <br> Problems with Bar Graphs | U39 | Solving Two-Step Problems Using Bar Graphs |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Grade 4

## Numbering and Operation

Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
1.0 Recognize the place value structure of cardinal and decimal numbers to the hundredths place, and how cardinal numbers and decimals are related to simple fractions.

| 4.N.1.1 |  |  |  |
| :---: | :--- | :---: | :--- |
| Recognize, read, write, and represent the place value of the digits of cardinal numbers up to nine digits (one hundred million) and decimals to <br> the hundredth. Compare and order cardinal numbers up to nine digits (one hundred million). |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| Code | Digital Student Experience | U40 | Writing Expanded Form from Standard through <br> Thousands and Millions |
| U40 | Number Sense - Expanded Form to Thousands | U40 | Writing Standard Form from Expanded through <br> Thousands and Millions |
| U40 | Number Sense - Expanded Form to Millions | U40 | Writing Word Form from Expanded and Standard through <br> Thousands and Millions |
| U40 | Number Sense - Writing Expanded Form from Standard <br> Form through Millions | U43 | Standard and Word Form of Decimals (0.01-0.09 and 0.1- <br> $0.9)$ |
| U43 | Number Sense - Understanding Decimals (0.1-0.9 and <br> $0.01-0.09)$ | U43 | Standard and Word Form of Decimals (0.10-0.90) |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.N.1.3

Estimate and round cardinal numbers up to nine digits (one hundred million) and decimals to the hundredth, and determine if an estimate or rounding is reasonable or appropriate.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Ctudent Experience | U40 | Rounding - Nearest Thousand |
| U40 | Number Sense - Rounding to the Nearest Thousand | U40 | Rounding - Nearest Ten, Hundred, Thousand |
| U40 | Number Sense - Round to Any Place up to Thousands <br> with Number Line | U40 | Rounding within Three- and Four-Digit Numbers - <br> Number Line |
| U40 | Number Sense - Round to Any Place up to Thousands <br> with Algorithm | U40 | Rounding within Three- and Four-Digit Numbers - <br> Abstract |
| U40 | Number Sense - Rounding Zero | U40 | Zero as the Rounding Digit |
|  |  |  |  |

## 4.N.1.4

Represent, model, compare and classify fractions and decimals through concrete, graphical, pictorial and numerical representation and include the use of equivalent fractions.
Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :---: |
| U43 | Number Sense - Determine Equivalent Fractions (Tenths <br> and Hundredths) | U43 | Fraction Comparison Using Benchmark Fractions |
| U43 | Number Sense - Determine Equivalent Fractions Using <br> Models | U43 | Compare Fractions Using Symbols |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.N.1.4

Represent, model, compare and classify fractions and decimals through concrete, graphical, pictorial and numerical representation and include the use of equivalent fractions.
Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U43 | Number Sense - Comparing Fractions Using Benchmark <br> Fractions | ISIP | Comparing Fractions |
|  |  | ISIP | Using Area Models to Compare Fractions |
|  |  | ISIP | Fraction to Decimal Equivalence |

## 4.N.1.5

Compare and order decimals to hundredths by reasoning about their size. Recognize that comparisons are valid only when both fractions and decimals refer to the same whole. Write the results of comparisons with the symbols $>,=,<$; justify conclusions (example: use a visual model of fractions).

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U43 | Number Sense - Understanding Decimals (0.1-0.9 and <br> $0.01-0.09)$ | U43 | Standard and Word Form of Decimals (0.01-0.09 and 0.1- <br> $0.9)$ |
| U43 | Number Sense - Understanding Decimals 0.1-0.9 | U43 | Standard and Word Form of Decimals (0.10-0.90) |
| U43 | Number Sense - Understanding Decimals with Visual <br> Models 0.01-1.99 | U43 | Standard and Word Form of Decimals (0.01-1.99) |
|  |  | ISIP | Comparing and Ordering Decimals |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.N.1.6

Recognize and use different interpretations of fractions (as part of a whole, part of a set, or division reasoning) when problem solving.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U43 | Number Sense - Decomposing Fractions | U43 | Add Like Denominators of Ten and One Hundred |
| U43 | Number Sense - Adding Fractions with Like <br> Denominators of Ten and One Hundred | U43 | Adding Denominators of Ten to Denominators of One <br> Hundred |
| U43 | Number Sense - Adding Fractions with Denominators of <br> Ten and One Hundred |  |  |

## 4.N.1.8

Recognize and write tenths and hundredths in fraction and decimal form. Find equivalent fractions and decimals on the number line.
Represent equivalent fractions and decimals as $1 / 2=0.5,0.25=1 / 4,3 / 4=0.75$.
Express a fraction with a denominator of 10 as an equivalent fraction with a denominator of 100 and use this technique to add two fractions with respective denominators of 10 and 100 (example: Express $3 / 10$ as $30 / 100$ and add $3 / 10+4 / 100=34 / 100$.).

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U43 | Number Sense - Determine Equivalent Fractions (Tenths <br> and Hundredths) | U43 | Decimals as Fractions (Tenths and Hundredths) |
| U43 | Number Sense - Determine Equivalent Fractions Using <br> Models | U43 | Expressing Equivalent Fractions with Denominators of <br> Ten and One Hundred |
|  |  | ISIP | Understand Decimal Numbers with Fractional Language |
|  |  | ISIP | Fraction to Decimal Equivalence |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

2.0 Solve problems involving basic operations of cardinal numbers and understand the relationship between operations.

## 4.N.2.3

Use and apply, in troubleshooting, algorithms to multiply a number of up to four digits by a one-digit number and a two-digit number by a number of two digits when using strategies based on place value and the properties of operations.

- Represent and explain the calculation using equations, rectangular matrices, or models of area.
- Use mental computation and estimation strategies to judge the reasonableness of the results.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :---: |
| Code | Digital Student Experience | Code | Teacher Resources |
| U41 | Computations and Algebraic Thinking - Multiply Two-Digit <br> Numbers with Models | U41 | Two-Digit by Two-Digit Concrete Multiplication |

3.0 Use basic operations with decimal numbers and fractions in situations related to daily life and judge their results reasonably through strategies such as mental computation, rounding, estimation, and written computations, among others.

## 4.N.1.4

Solve problems involving addition and subtraction of homogenous fractions and calculate decimals to the hundredth in addition and subtraction.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U43 | Number Sense - Determine Equivalent Fractions (Tenths <br> and Hundredths) | U43 | Fraction Comparison Using Benchmark Fractions |
| U43 | Number Sense - Determine Equivalent Fractions Using <br> Models | U43 | Compare Fractions Using Symbols |
| U43 | Number Sense - Comparing Fractions Using Benchmark <br> Fractions | ISIP | Comparing Fractions |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.N.1.4

Solve problems involving addition and subtraction of homogenous fractions and calculate decimals to the hundredth in addition and subtraction.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :--- | :--- | :--- | :--- |
|  |  | ISIP | Using Area Models to Compare Fractions |
|  |  | ISIP | Fraction to Decimal Equivalence |

## 4.N.3.2

Interpret the addition and subtraction of fractions as the union and separation of parts that refer to the same whole.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U43 | Number Sense - Decomposing Fractions | U43 | Add Like Denominators of Ten and One Hundred |
| U43 | Number Sense - Adding Fractions with Like <br> Denominators of Ten and One Hundred | Adding Denominators of Ten to Denominators of One <br> Hundred |  |
| U43 | Number Sense - Adding Fractions with Denominators of <br> Ten and One Hundred |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.N.3.3

Recognize and determine equivalent fractions from visual models of fractions.

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U43 | Fraction Comparison Using Benchmark Fractions |
| U43 | Number Sense - Determine Equivalent Fractions with <br> Models | U43 | Compare Fractions- Symbols |
| U43 | Number Sense - Comparing Fractions Using Benchmark <br> Fractions | U43 | Compare Fractions by Creating Common Denominators |
| U43 | Number Sense - Compare Fractions Using Symbols | ISIP | Comparing Fractions |
|  |  | ISIP | Using Area Models to Compare Fractions |
|  |  |  |  |

## 4.N.3.4

Decompose a fraction into a sum of fractions with the same denominator in more than one way; show each composition and decomposition using an equation. Justify decompositions, for example, by using fraction visual models (example: $3 / 8=1 / 8+1 / 8+1 / 8 ; 3 / 8=1 / 8+2 / 8 ; 21 / 8=$ $1+1+1 / 8=8 / 8+8 / 8+1 / 8)$.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
| U43 | Number Sense - Decomposing Fractions | U43 | Add Like Denominators of Ten and One Hundred |

## 4.N.3.2

Add and subtract mixed numbers with equal denominators.

| MP 1, 2, 3, 4,5,6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :---: |
| Code | Digital Student Experience | U43 | Adding Denominators of Ten to Denominators of One <br> Hundred |
| U43 | Number Sense - Adding Fractions with Like <br> Denominators of Ten and One Hundred |  |  |
| U43 | Number Sense - Adding Fractions with Denominators of <br> Ten and One Hundred |  |  |

## Algebra

## Perform and represent numerical operations indicating quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.

5.0 Recognize, interpret, and use variables, mathematical symbols, and properties to write and simplify expressions.

## 4.A.5.2

Interpret and evaluate mathematical expressions that use parentheses to indicate which operation will be carried out first when the written expressions have more than two terms and different operations.

Note: These lessons are located in other sections of the program; digital activities can be assigned.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U49 | Computations and Algebraic Reasoning - Evaluate <br> Numerical Expressions with Parentheses | U49 | Evaluating Numerical Expressions with Parentheses |
| U49 | Computations and Algebraic Reasoning - Interpret <br> Numerical Expressions with Parentheses | U49 | Identifying Expressions in Scenarios |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.A.5.2

Interpret and evaluate mathematical expressions that use parentheses to indicate which operation will be carried out first when the written expressions have more than two terms and different operations.
Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U49 | Computations and Algebraic Reasoning - Write Numerical <br> Expressions from Words | U49 | Writing Expressions from Words - <br> Addition and Subtraction |
|  |  | U49 | Writing Expressions from Words - Subtraction |

### 6.0 Solve equations.

## 4.A.6.1

Solve mathematical relationships by using equations and their equivalents. Represent numerical relationships when using variables, expressions, or equations.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U42 | Computations and Algebraic Thinking - Solve Multistep <br> Word Problems | U42 | Building and Solving Multistep Equations with All <br> Operations |
|  |  | ISIP | Using Multiplication to Solve If-Then Word Problems |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Geometry

Perform and represent numerical operations including quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
7.0 Use the Cartesian plane to represent and identify points, lines, and simple figures.

## 4.G.7.2

Identify and represent the coordinates of ordered pairs in the first quadrant. Write and interpret points with cardinal numbers or variables on graph paper in the first quadrant of the Cartesian plane.

Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U51 | Geometry - Graph Points in a Coordinate Plane | U51 | Plotting Points on a Coordinate Grid |
| U51 | Computations and Algebraic Thinking - Comparing Points <br> on a Coordinate Plane | U51 | Graphing and Analyzing Lines |
|  |  | ISIP | Identifying and Plotting Ordered Pairs on the Coordinate <br> Plane |

8.0 Identify, compare, and analyze two-dimensional and three-dimensional figures and describe them orally and in writing.

## 4.G.8.2

Construct and identify right, acute, and obtuse angles of specific measures. Sort, build, and estimate your measurements and measure angles in degrees with a protractor.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
| U45 | Geometry - Determine Missing Angles | U45 | Measuring Angles with a Protractor |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.G.8.2

Construct and identify right, acute, and obtuse angles of specific measures. Sort, build, and estimate your measurements and measure angles in degrees with a protractor.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :--- | :---: | :---: | :--- |
|  |  | U45 | Find the Missing Angle Measurement |
|  |  | ISIP | Line and Angle Identification |

## 4.G.8.4

Describe the characteristics of prisms and pyramids. Mention and identify the number of faces, vertices and edges that compose them. Determine whether the two-dimensional and three-dimensional figures are congruent and similar.
Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
|  |  | ISIP | Analyzing Properties of Two- and Three-Dimensional <br> Figures |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Measurement

Correctly apply systems, measurement tools, and techniques by making connections between spatial and numerical concepts.
9.0 Apply the concepts of perimeter, area, and length to select the most appropriate unit of measure.

| 4.M.9.1 |  |  |  |  |
| :--- | :---: | :---: | :--- | :--- |
| Determine the area of rectangular figures by using appropriate units of measure. |  |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |  |
| Code | Digital Student Experience |  | ISIP | Finding Area of Rectangles and Squares by Using <br> Multiplication |
|  |  | ISIP | Quantifying Areas of Rectangles and Squares |  |
|  |  | ISIP | Connecting Multiplication and Area |  |
|  |  | ISIP | Decomposing Figures to Find the Area of Polygons |  |


| 4.M.9.2 |
| :--- |
| Distinguish and understand that figures that have the same area may have different perimeters or figures that have the same perimeter may <br> have different areas. Recognize that attributes (such as area or size) <br> change or do not change when cutting and reforming a figure. |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |
| Code |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.M.9.2

Distinguish and understand that figures that have the same area may have different perimeters or figures that have the same perimeter may have different areas. Recognize that attributes (such as area or size) change or do not change when cutting and reforming a figure.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
|  |  | ISIP | Connecting Multiplication and Area |
|  |  | ISIP | Decomposing Figures to Find the Area of Polygons |

## 4.M.9.3

Determine and use formulas to solve problems involving perimeters and areas of squares and rectangles.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :--- | :--- | :--- | :--- |
|  |  | ISIP | Finding Area of Rectangles and Squares by Using <br> Multiplication |
|  |  | ISIP | Quantifying Areas of Rectangles and Squares |
|  |  | ISIP | Connecting Multiplication and Area |
|  |  | ISIP | Decomposing Figures to Find the Area of Polygons |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.M.9.4

Understand, recognize, and apply the relative sizes of units of measure within the same measurement system (metric and English) and include $\mathrm{km}, \mathrm{m}, \mathrm{cm} ; \mathrm{kg}, \mathrm{g} ; \mathrm{lb}, \mathrm{oz} ; \mathrm{l}, \mathrm{ml}$; hr, min, sec.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U44 | Measurement and Data Analysis - Word Problems with <br> Various Measurements | U44 | Converting Units of Measurement in Word Problems |
|  |  | ISIP | Calculating Elapsed Time |

## 4.M.9.5

Use a single system of measurement and express measurements of a larger unit in a smaller unit (example: Express the length of a snake of 4 ft . as 48 in .). Generate a conversion table for feet and inches and indicate the number of pairs $[(1,12),(2,24),(3,36), \ldots]$.

$$
\text { MP } 1,2,3,4,5,6,7,8
$$

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
|  |  | $U 44$ | Converting Units of Measurement in Word Problems |

## 4.M.9.6

Use the four operations to solve verbal problems that

- involve distances, time intervals, capacity, mass of objects;
- involve money, simple fractions or decimals;
- require the expression of measure given in a larger unit or in one smaller more unit.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :---: |
| Code | Digital Student Experience | Code | Teacher Resources |
| U44 | Measurement and Data Analysis - Word Problems with <br> Various Measurements |  |  |

10.0 Measure the physical properties of irregular shapes.

## 4.M.10.1

Estimate and measure the perimeter, area and volume of irregular figures using different methods, such as manipulatives, drawings, graph paper and scales.
Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U38 | Measurement - Perimeter Word Problems | U38 | Finding Perimeter |
| U50 | Measurement - Volume of Irregular Figures | U50 | Volume of Rectangular Prisms |
|  |  | U50 | Volume of Irregular Figures |
|  |  | ISIP | Areas of Squares |
|  |  | ISIP | Finding the Area of Squares |

## 4.M.10.1

Estimate and measure the perimeter, area and volume of irregular figures using different methods, such as manipulatives, drawings, graph paper and scales.
Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
|  |  | ISIP | Finding the Area of Polygons |
|  |  | ISIP | Measuring Perimeter of Polygons |
|  |  | ISIP | Integrating Fact Practice and Volume |

11.0 Perform simple unit conversions within the same measurement system (metric and English).

## 4.M.11.1

## Make unit length conversions.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :---: |
| U44 | Measurement and Data Analysis - Word Problems with <br> Various Measurements | U44 | Converting Units of Measurement in Word Problems |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

Data Analysis and Probability
Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
12.0 Collect, organize, and interpret numerical and categorical data. Communicate and represent findings through tables and graphs.

## 4.E.12.1

Systematically collect and represent data on a number line, in graphical form (bar, pictorial, linear, circular, point diagram) and in tables (count and frequency).

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U45 | Data Analysis - Line Plots with Fractional Data | U45 | Line Plots with Fractional Data |
| U45 | Data Analysis - Analyzing Line Plots | U45 | Finding Scales of Line Plots |

## 4.E.12.3

Analyze and make predictions based on graphs (bar, pictorial, linear, circular, point diagram) and tables (count and frequency) to formulate, ask, and answer questions about a specific situation.

| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | Code | Teacher Resources |
| U45 | Data Analysis - Line Plots with Fractional Data | U 45 | Line Plots with Fractional Data |
| U45 | Data Analysis - Analyzing Line Plots | U 45 | Finding Scales of Line Plots |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 4.E.12.4

Compare and interpret two sets of related data in tables and graphs.
Note: These lessons are located in other sections of the program; digital activities can be assigned.
MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :---: |
| U51 | Computations and Algebraic Thinking - Comparing Points <br> on a Coordinate Plane | U51 | Graphing and Analyzing Lines |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Grade 5

## Numbering and Operation

Understand and apply mathematical concepts by representing, estimating, performing computations, and relating numbers and number systems.
1.0 Recognize place value structures of cardinal numbers to one hundred trillion and decimal numbers to thousandths. Understand how cardinal numbers and decimals are related to fractions.

| 5.N.1.3 |  |  |  |
| :---: | :---: | :--- | :--- |
| Recognize patterns in the number of zeros that result in the product of multiplying a number by powers of 10. |  |  |  |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code | Teacher Resources |
| U46 | Number Sense - Multiplying Decimals by Ten and One <br> Hundred | U46 | Multiplying Decimals by Ten and One Hundred |
| U46 | Number Sense - Exploring Powers of Ten | U46 | Multiplying and Dividing Decimals by Powers of Ten |
| U46 | Number Sense - Multiplying and Dividing Decimals by <br> Powers of Ten | U46 | Exploring Powers of Ten |

5.N.1.4

| Use exponents of cardinal numbers to indicate powers of 10. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |  |
| Code | Digital Student Experience | Code |  |  |
| U46 | Number Sense - Exploring Powers of Ten | U46 | Exploring Powers of Ten |  |
| $f$ |  |  |  |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

2.0 Identify and represent decimals, fractions and mixed numbers as part of a whole, a set, and as part of a division, with concrete, semi-concrete, and number line models.

## 5.N.2.2

Represent and explain the relationship between mixed numbers and improper fractions.

- Recognize and represent equivalences between fractions.
- Compare and order fractions and mixed numbers in comparisons of $0,1 / 2$, and 1 .

MP $1,2,3,4,5,6,7,8$

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
|  |  | U37 | Mixed Fractions on a Number Line |

3.0 Perform operations and solve problems involving addition, subtractions, multiplication, and division of cardinal numbers, fractions and decimals.

## 5.N.3.1

Use written computations (algorithms), estimation strategies, mental computation, and concrete and semi-concrete models to solve problems of addition, subtraction, multiplication and division with the cardinal numbers of several digits and decimals to the hundredths.

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
| U46 | Computations and Algebraic Thinking - Visual Representation for Multiplying Decimals | U46 | Multiplying Decimals by Ten and One Hundred |
| U46 | Computations and Algebraic Thinking - Multiply Decimals by Powers of Ten | U46 | Dividing Decimals by Ten and One Hundred |
| U46 | Computations and Algebraic Thinking - Divide Decimals by Powers of Ten | U46 | Multiplying and Dividing Decimals by Powers of Ten |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 5.N.3.1

Use written computations (algorithms), estimation strategies, mental computation, and concrete and semi-concrete models to solve problems of addition, subtraction, multiplication and division with the cardinal numbers of several digits and decimals to the hundredths.

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
| U46 | Computations and Algebraic Thinking - Multiply and Divide Decimals by Powers of Ten | U47 | Decimal Addition |
| U47 | Computations and Algebraic Thinking - Divide Three-Digit by Two-Digit Numbers with an Area Model | U47 | Decimal Subtraction |
| U47 | Computations and Algebraic Thinking - Divide Four-Digit Numbers by Two-Digit Numbers | U47 | Concrete Decimal Division |
|  |  | U47 | Representational Decimal Division |
|  |  | U47 | Decimal Division |
|  |  | U47 | Four-Digit by Two-Digit Division (Partial Quotients) |
|  |  | ISIP | Estimating Quotients Using Compatible Numbers |
|  |  | ISIP | Using Models to Practice Extended Division Facts |
|  |  | ISIP | Models for Understanding Remainders |
|  |  | ISIP | Calculating Reasonable Estimates of Decimal Number Sums |
|  |  | ISIP | Adding and Subtracting Decimal Numbers in a Word Problem |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 5.N.3.2

Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators, e.g., by using visual fraction models or equations to represent the problem. Use benchmark fractions and number sense of fractions to estimate mentally and assess the reasonableness of answers. For example, recognize an incorrect result $2 / 5+1 / 2=3 / 7$, by observing that $3 / 7<1 / 2$.

$$
\text { MP } 1,2,3,4,5,6,7,8
$$

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U48 | Computations and Algebraic Thinking - Add Fractions <br> with Unlike Denominators | U47 | Decimal Addition |
| U48 | Computations and Algebraic Thinking - Subtract Fractions <br> with Unlike Denominators | U47 | Decimal Subtraction |
|  |  | U48 | Adding Fractions with Unlike Denominators |
|  |  | U48 | Subtracting Fractions with Unlike Denominators |
|  | ISIP | Adding and Subtracting Fractions with Unlike <br> Denominators |  |

## 5.N.3.3

Find quotients of cardinal numbers with dividends up to four digits and two-digit divisors; use strategies based on place value; the properties of operations and/or the relationship between multiplication and division.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U47 | Computations and Algebraic Thinking - Divide Three-Digit <br> by Two-Digit Numbers with an Area Model | U47 | Four-Digit by Two-Digit Division (Partial Quotients) |
| U47 | Computations and Algebraic Thinking - Divide Four-Digit <br> Numbers by Two-Digit Numbers | ISIP | Estimating Quotients Using Compatible Numbers |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 5.N.3.3

Find quotients of cardinal numbers with dividends up to four digits and two-digit divisors; use strategies based on place value; the properties of operations and/or the relationship between multiplication and division.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
|  |  | ISIP | Using Models to Practice Extended Division Facts |
|  |  | ISIP | Models for Understanding Remainders |

## 5.N.3.5

Solve addition and subtraction problems of fractions that refer to the same integer, including cases of different denominators. Use visual models of fractions and equations to represent the problem. Use reference fractions and number sense with fractions to estimate mentally and evaluate the logic of the answers (example: identify an incorrect result $2 / 5+1 / 2=3 / 7$, by observing that $3 / 7<1 / 2$ ).

$$
\text { MP } 1,2,3,4,5,6,7,8
$$

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U48 | Computations and Algebraic Thinking - Add Fractions <br> with Unlike Denominators | U48 | Adding Fractions with Unlike Denominators |
| U48 | Computations and Algebraic Thinking - Subtract Fractions <br> with Unlike Denominators | U48 | Subtracting Fractions with Unlike Denominators |
|  |  | ISIP | Adding and Subtracting Fractions with Unlike <br> Denominators |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 5.N.3. 6

Apply and extend previous knowledge of multiplication to multiply a fraction or whole number by a fraction.

- Interpret the product $(a / b)^{*} q$ as $\left(a^{*} q / b\right)$. Example: Use a visual model - blocks and others - of fractions to show $(2 / 3)^{*} 4=8 / 3$, and create a situation for this equation. Do the same with $(2 / 3) \times(4 / 5)=8 / 15$. Generally, understand that $(a / b) \times(\mathrm{c} / \mathrm{d})=(\mathrm{ac}) /(\mathrm{bd})$.
- Find the area of a rectangle with fractional side lengths by using a grid to determine the square units of appropriate fractional side lengths. Multiply fractional side lengths to find the area of a rectangle and represent the product of fractions as a rectangular area.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U48 | Computations and Algebraic Thinking - Multiply by <br> Fractions Less than One | U48 | Multiplying by Fractions Less than One |
| U48 | Computations and Algebraic Thinking - Multiply by <br> Fractions Greater than One | U48 | Multiplying by Fractions Less than One (Extra Practice) |
| U50 | Measurement and Data Analysis - Multiply Fractions to <br> Find the Area of a Rectangle | U48 | Multiplying Fractions Less than One with Improper <br> Fractions |
|  |  | U48 | Multiplying Whole Numbers by Fractions Greater than <br> One |
|  | U50 | Area of a Rectangle with Fractional Side Lengths |  |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

5.N.3.7

Solve problems of daily life that involve the multiplication of fractions and mixed numbers (examples: fractions or equations to represent the problem).

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :--- | :---: | :--- |
| U48 | Computations and Algebraic Thinking - Multiply Fractions <br> with Improper Fractions | U48 | Multiplying by Fractions Less than One |
|  |  | U48 | Multiplying by Fractions Less than One (Extra Practice) |
|  |  | U48 | Multiplying Fractions Less than One with Improper <br> Fractions |
|  |  | Multiplying Whole Numbers by Fractions Greater than <br> One |  |

## 5.N.3.8

Apply and extend prior knowledge of division to divide unit fractions by whole numbers and whole numbers by unit fractions.

- Interpret the division of a unit fraction by a non-zero integer and calculate the quotients. (example: Create a problem in the context of 4 $=4 / 1$ and $(1 / 3) \div 4=1 / 12$ because $(1 / 12) 4=1 / 3)$.
- Interpret the division of an integer by a unit fraction and calculate the quotient. (example: Create a problem in the context of $4 \div(1 / 5)=$ 20 because $20(1 / 5)=4$ (" $\times$ " and " $\div$ " are opposite processes).
- Solve problems of daily life that involve dividing unit fractions by whole numbers other than zero and dividing whole numbers by unit fractions, for example: using fractions and equations to represent the problem. (example: How much chocolate corresponds to each person if 3 people share $1 / 2$ pound of chocolate in equal parts? How many $1 / 3$ cup portions are in 2 cups of raisins?).

| MP 1, 2, 3, 4, 5, 6, 7, 8 | Code | Teacher Resources |  |
| :---: | :--- | :---: | :--- |
| Code | Digital Student Experience | U46 | Multiplying Decimals by Ten and One Hundred |
| U46 | Computations and Algebraic Thinking - Visual <br> Representation for Multiplying Decimals | U46 | Dividing Decimals by Ten and One Hundred |
| U46 | Computations and Algebraic Thinking - Multiply Decimals <br> by Powers of Ten | U46 | Multiplying and Dividing Decimals by Powers of Ten |
| U46 | Computations and Algebraic Thinking - Divide Decimals <br> by Powers of Ten | U47 | Decimal Addition |
| U46 | Computations and Algebraic Thinking - Multiply and <br> Divide Decimals by Powers of Ten | U47 | Decimal Subtraction |
|  |  | U47 | Concrete Decimal Division |
|  |  | U47 | Representational Decimal Division |
|  | Decimal Division |  |  |
|  |  | ISIP | Calculating Reasonable Estimates of Decimal Number <br> Sums |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## 5.N.3.8

Apply and extend prior knowledge of division to divide unit fractions by whole numbers and whole numbers by unit fractions.

- Interpret the division of a unit fraction by a non-zero integer and calculate the quotients. (example: Create a problem in the context of 4 $=4 / 1$ and $(1 / 3) \div 4=1 / 12$ because $(1 / 12) 4=1 / 3)$.
- Interpret the division of an integer by a unit fraction and calculate the quotient. (example: Create a problem in the context of $4 \div(1 / 5)=$ 20 because $20(1 / 5)=4$ (" $\times$ " and " $\div$ " are opposite processes).
- Solve problems of daily life that involve dividing unit fractions by whole numbers other than zero and dividing whole numbers by unit fractions, for example: using fractions and equations to represent the problem. (example: How much chocolate corresponds to each person if 3 people share $1 / 2$ pound of chocolate in equal parts? How many $1 / 3$ cup portions are in 2 cups of raisins?).


## MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
|  |  | ISIP | Adding and Subtracting Decimal Numbers in a Word <br> Problem |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Algebra

Perform and represent numerical operations indicating quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
4.0 Represent, describe, analyze, extend, and generalize patterns and relationships using mathematical language, variables, and equations in the context of problem solving.
5.A.4.1

| Create and extend patterns with numbers, symbols or figures, shapes and numerical sequences. From two numerical patterns by using two <br> given rules. |  |  |  |
| :---: | :--- | :---: | :--- |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience |  | Code |
| U51 | Computations and Algebraic Thinking - Comparing Points <br> on a Coordinate Plane | U51 | Plotting Points on a Coordinate Grid |
|  |  | U51 | Graphing and Analyzing Lines |

5.A.4.2

| Determine the pattern between two pairs of coordinates when applying the rule (example: $(3,0)+3,(6,0)+3,(9,0)+3)$. |  |  |  |
| :---: | :--- | :---: | :--- |
| MP 1, 2, 3, 4, 5, 6, 7, 8 |  |  |  |
| Code | Digital Student Experience | Code | Teacher Resources |
| U51 | Computations and Algebraic Thinking - Comparing Points <br> on a Coordinate Plane | U51 | Plotting Points on a Coordinate Grid |
|  |  | U51 | Graphing and Analyzing Lines |

## 5.A.4.3

Represent problems of daily life and mathematical problems when plotting points in the first quadrant of the coordinate plane and interpret the values of the ordered pairs in the given context.

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :---: |
| U51 | Geometry - Graph Points in a Coordinate Plane | U51 | Plotting Points on a Coordinate Grid |
|  |  | ISIP | Identifying and Plotting Ordered Pairs on the Coordinate <br> Plane |

## Geometry

Perform and represent numerical operations including quantity relationships, functions, and change analysis using numbers, variables, and signs to solve problems.
6.0 Classify and describe two-dimensional figures to analyze them.

## 5.G.6.2

Describe how the attributes of a category of two-dimensional figures also belong to all subcategories of that category (example: All rectangles have four right angles and rectangles are quadrilateral, therefore, all squares have four right angles.).

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :--- | :--- | :---: | :--- |
|  |  | ISIP | Analyzing Properties of Two- and Three-Dimensional <br> Figures |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Measurement

Correctly apply systems, measurement tools, and techniques by making connections between spatial and numerical concepts.
7.0 Perform simple unit conversions within the metric and English systems.
5.M.7.1

| Recognize and use the equivalent values of the units of length and their abbreviations in the metric and English systems. Identify and use the <br> metric system prefixes. |  |  |  |
| :---: | :---: | :---: | :--- | :--- |
| MP $1,2,3,4,5,6,7,8$ |  |  |  |
| Code | Digital Student Experience | Code | Teacher Resources |
|  |  | ISIP | Converting Standard Units of Measurement |
|  |  | ISIP | Performing Customary Measurement Conversions |

## 5.M.7.2

Solve problems when estimating measurements in metric and English units that involve conversions of different standard measurements within the same measurement system ( $\mathrm{cm} \rightarrow \mathrm{m}$; hrs $\rightarrow \mathrm{min}$.). Convert units of length and weight into a single system such as:

- Metric - length ( $\mathrm{m}, \mathrm{dm}, \mathrm{cm}, \mathrm{mm}, \mathrm{hm}, \mathrm{km}$ )
- English - length (inch, foot, mile); weight (ounce, pound, ton).

MP 1, 2, 3, 4, 5, 6, 7, 8

| Code | Digital Student Experience | Code | Teacher Resources |
| :---: | :---: | :---: | :--- |
|  |  | ISIP | Converting Standard Units of Measurement |
|  |  | ISIP | Performing Customary Measurement Conversions |

## Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

8.0 Relate volume to multiplication and addition operations, and solve real-world problems.

| 5.M.8.1 |
| :--- |
| Find the volume of solid figures and apply their formulas to solve problems of daily life. Find the volume formula from the area formula. <br> MP 1, 2, 3, 4, 5, 6, 7, 8 <br> Code <br> U50 Measurement - Volume of Irregular Figures |

Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

## Appendix

## Classroom Resource

| General Graphic Organizers |  |
| :---: | :--- |
| Code |  |
| CR | Dot Paper |
| CR | Frayer Model |
| CR | Frayer Model (multiple) |
| CR | Grid Paper |
| CR | Grid Paper (cm) |
| CR | Grid Paper (in) |
| CR | If-Then Diagram (Large) |
| CR | If-Then Diagrams |
| CR | Multiple Number Lines (10-100) |
| CR | Number Cards (1-10) |
| CR | Number Cards (1-20) |
| CR | Number Line 0-10 (Labeled and Blank) |
| CR | Number Line 0-20 (Labeled and Blank) |
| CR | Number Line 0-50 (Labeled and Blank) |
| CR | Number Line 0-100 (Labeled and Blank) |

Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

| General Graphic Organizers |  |  |
| :---: | :--- | :--- |
| Code |  |  |
| CR | Place Value Mat: 3-Column (Blank) |  |
| CR | Place Value Mat: 4-Column (Blank) |  |
| CR | Ten Frame |  |
| CR | Three-Digit Number Cards |  |
| CR | Types of Word Problems Anchor Chart |  |


| Number Sense |  |
| :---: | :--- |
| Code |  |
| CR | 100 Chart |
| CR | 120 Chart |
| CR | Base Ten Block Cards (0-50) |
| CR | Base Ten Block Cards (Multiples of Ten) |
| CR | Counting Strips (1-10) |
| CR | Counting Strips (1-20) |
| CR | Decimal Cards |
| CR | Decimal Grid: Thousandths |
| CR | Decimal Grids: Tenths and Hundredths |
| CR | Decimal Models: One Whole through Thousandths |

Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

Number Sense

| Code |  |
| :---: | :--- |
| CR | Decimal Place Value: Grid and Chart - Hundredths |
| CR | Decimal Place Value: Grid and Chart - Tenths |
| CR | Decimal Place Value: Grid and Chart - Thousandths |
| CR | Even and Odd Chart |
| CR | Fraction Bars |
| CR | Fraction Equivalency Cards |
| CR | Fraction Model Graphic Organizer |
| CR | Multiple Representations of Numbers (1-10) |
| CR | Place Value Anchor Chart: Tens and Ones |
| CR | Place Value Mat: Multiple Representations to Millions (Labeled) |
| CR | Place Value Mat: Multiple Representations to Thousands (Labeled) |
| CR | Place Value Mat: Tens and Ones (Labeled) |
| CR | Place Value Word Cards |
| CR | Ten Frame Dot Cards (Large) |
| CR | Ten Frame Dot Cards (Small) |

Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

| Computations and Algebraic Thinking |  |
| :---: | :--- |
| Code |  |
| CR | Algebra Tiles |
| CR | Algebraic Strip Diagrams Resources |
| CR | Coordinate Plane |
| CR | Missing Factor Cards |
| CR | Multiplication/Division Fact Family Template |
| CR | Operation Symbol Cards |
| CR | Part Part Whole Mat |
| CR | Problem Solving Cards - Addition and Subtraction |
| CR | Subitizing Cards (1-5) |


| Measurement |  |
| :---: | :--- |
| Code | Resources |
| CR | Customary Unit Conversion Cards - Linear Measurement |
| CR | Customary Unit Conversion Cards - Liquid Measurement |
| CR | Linear Measurement Bundle (Includes the following five resources) |
| CR | Linear Measurement Anchor Chart |
| CR | Linear Measurement Body Benchmarks Anchor Chart |
| CR | Linear Measurement Graphic Organizer |

Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

| Measurement |  |  |
| :---: | :--- | :--- |
| Code |  | Resources |
| CR | Linear Measurement Steps Anchor Chart |  |
| CR | Linear Measurement Yards vs. Meters Anchor Chart |  |


| Data Analysis |  |
| :---: | :--- |
| Code |  |
| CR | Analyzing Line Plots |


| Geometry |  |
| :---: | :--- |
| Code |  |
| CR | Three-Dimensional Figure Nets |
| CR | Two-Dimensional Shapes |

Parent Portal Lessons

| Math PK-1 |  |  |  |  |
| :---: | :--- | :--- | :---: | :---: |
| Code | Teacher Resources |  |  |  |
| PP | Fact Practice Addition Fast Track |  |  |  |
| PP | Fact Practice Addition Road Racing |  |  |  |
| PP | Fact Practice Building Sums with Dice |  |  |  |

Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

| Math PK-1 |  |
| :---: | :--- |
| Code |  |
| PP | Fact Practice Choose the Operation (Addition and Subtraction) |
| PP | Fact Practice Counting to Answer Math Questions |
| PP | Fact Practice Matching Numerals to Quantities |
| PP | Fact Practice Recognizing, Ordering, and Counting |
| PP | Fact Practice Shake It! Make It! Solve It! (Addition) |
| PP | Fact Practice Skip Counting Raceway (Skip Counting by Fives and Tens) |
| PP | Fact Practice Skip Counting Raceway (Skip Counting by Twos) |
| PP | Fact Practice Sticky Sums |
| PP | Fact Practice Subtraction Fast Track |
| PP | Fact Practice Subtraction Road Racing |
| PP | Fact Practice Write, Tally, Draw (Addition) |
| PP | Practice Sorting by Atributes |


| Math 2-5 |  |
| :---: | :--- |
| Code | Teacher Resources |
| PP | Fact Practice Adding on a Number Line |
| PP | Fact Practice Addition and Subtraction Fact Families |
| PP | Fact Practice Choose the Operation (Addition and Subtraction) |

Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

| Math 2-5 |  |
| :---: | :--- |
| Code |  |
| PP | Fact Practice Choose the Operation (Multiplication and Division) Resources |
| PP | Fact Practice Fact Family Dominoes (Addition/Subtraction) |
| PP | Fact Practice Identifying Halves, Thirds, Fourths |
| PP | Fact Practice Multiplication and Division Fact Family Triangles |
| PP | Fact Practice Multiplication Fast Track |
| PP | Fact Practice Multiply Then Add |
| PP | Fact Practice Multominoes |
| PP | Fact Practice Shake It! Make It! Solve It! (Multiplication) |
| PP | Fact Practice Sticky Products |
| PP | Fact Practice Subtracting on a Number Line |
| PP | Fact Practice Two-Digit Comparison: Who Has More? |
| PP | Fact Practice Two-Digit Comparison: Who Has Less? |
| PP | Fact Practice Three- and Four-Digit Comparison: Who Has More? |
| PP | Fact Practice Three- and Four-Digit Comparison: Who Has Less? |
| PP | Fact Practice Understanding Decimal Numbers |
| PP | Fact Practice Write, Expand, Sketch |
| PP | Fact Practice Writing Expressions from Scenarios |

Istation Math Curriculum Correlated to the Puerto Rico Core Standards for Mathematics

| Math 2-5 |  |
| :---: | :--- |
| Code |  |
| PP | Practice Linear Measurement Scavenger Hunt (Centimeter) |
| PP | Practice Linear Measurement Scavenger Hunt (Inches) |
| PP | Practice Plotting Points on a Coordinate Plane |

