| Mc REDBIRD | | | | | G | rade k | C Tei | nness | ee Sta | te Ma | th Stai | ndards | 3 | | |
|--|-----------|------------------------|--|-----------|-----------------|--|--|----------|----------|------------|------------------------------------|--------------------------------------|--------------------------------------|--|--|
| Hill Education MATHEMATICS | Know numb | er names and sequence. | the counting | Co | unt to tell the | number of obje | ects. | Compare | numbers. | Understand | l addition as put subtraction a | ting together ar s taking apart a | nd adding to, and nd taking from. | l understand | Work with numbers 11-19 to gain foundations for place value. |
| No. Unit/Lesson | K.CC.A.1 | K.CC.A.2 | K.CC.A.3 | K.CC.B.4a | K.CC.B.4b | K.CC.B.4c | K.CC.B.5 | K.CC.C.6 | K.CC.C.7 | K.OA.A.1 | K.OA.A.2 | K.OA.A.3 | K.OA.A.4 | K.OA.A.5 | K.NBT.A.1 |
| 0.1.0 Numbers to 10 | | | | | | | | | | | | | | | |
| 0.1.1 Count 1-4 | | | | √ | ✓ | √ | ✓ | | | | | | | | |
| 0.1.2 Count 1-5 | | | | √ | √ | √ | √ | | | | | | | | |
| 0.1.3 Count 1-7 | | | | √ | √ | √ | √ | | | | | | | | |
| 0.1.4 Count 1-9 | | | | √ | √ | √ | ✓ | | | | | | | | |
| 0.1.5 Count 1-10 | | | | √ | √ | √ | √ | | | | | | | | |
| 0.1.6 Count 0-10 | | | | √ | √ | √ | √ | | | | | | | | |
| 0.1.7 Represent 0-2 | | | √ | √ | | ✓ | √ | | | | | | | | |
| 0.1.8 Represent 0-5 | | | V | 1 | | 1 | 1 | | | | | | | | |
| 0.1.9 Represent 0-8 | | | 1 | 1 | | 1 | 1 | | | | | | | | |
| 0.1.10 Represent 0-10 | | | 1 | - | | 1 | 1 | | | | | | | | |
| 0.2.0 Numbers to 20 | | | | | | | | | | | | | | | |
| 0.2.1 Count and Represent 0-13 | | | / | | | | / | | | | | | | | |
| 0.2.2 Count and Represent 0-16 | | | | | | | \ \ \ \ | | | | | | | | |
| 0.2.3 Count and Represent 0-19 | | | \ \ \ | | | 1 | √ | | | | | | | | |
| 0.2.4 Count and Represent 0-20 | | | → | | | | √ | | | | | | | | |
| 0.3.0 Compare Numbers to 10 | | | <u> </u> | | | | | | | | | | | | |
| 0.3.1 Match to Find More | | | | | | | | √ | | | | | | | |
| 0.3.2 More, Fewer, and Same Amounts | | | | | | | | √ | | | | | | - | |
| | | | - | | | | | √ | , | | - | | | - | |
| 0.3.3 Count to Find the Greater Number | | | | | | | | | ✓ ✓ | | | | | | |
| 0.3.4 Compare Two Numbers | | | - | | | | | √ | | | - | - | | - | |
| 0.3.5 Compare within 5 | | | | | | | | | √ | | | | | | |
| 0.3.6 Compare within 10 | | | | | | | | | √ | | | | | | |
| 0.4.0 Understand Addition within 10 | | | | | | | | | | , | | | | | |
| 0.4.1 Represent Addition within 5 | | | | | | | | | | √ | √ | | | | |
| 0.4.2 Put Together Groups within 5 | | | | | | | | | | ✓ | ✓ | | | ✓ | |
| 0.4.3 Explore Number Pairs for 0–5 | | | | | | | | | | | | ✓ | | | |
| 0.4.4 Explore Number Pairs for 6–9 | | | | | | | | | | | | ✓ | | | |
| 0.4.5 Explore Number Pairs for 10 | | | | | | | | | | | | ✓ | ✓ | | |
| 0.4.6 Find Numbers that Make 10 | | | | | | | | | | | | | ✓ | | |
| 0.4.7 Represent Addition within 10 | | | | | | | | | | ✓ | ✓ | | | | |
| 0.4.8 Put Together Groups within 10 | | | | | | | | | | ✓ | ✓ | | | ✓ | |
| 0.5.0 Understand Subtraction within 10 | | | | | | | | | | | | | | | |
| 0.5.1 Decompose Numbers within 5 | | | | | | | | | | ✓ | | ✓ | | | |
| 0.5.2 Represent Subtraction within 5 | | | | | | | | | | √ | ✓ | | | | |
| 0.5.3 Solve Subtraction Equations within 5 | | | | | | | | | | ✓ | √ | | | ✓ | |
| 0.5.4 Decompose Numbers 6–9 | | | | | | | | | | | | √ | | | |
| 0.5.5 Represent Subtraction within 9 | | | | | | | | | | √ | √ | | | | |
| 0.5.6 Solve Subtraction Equations within 9 | | | | | | 1 | 1 | | | √ | √ | | | √ | |
| 0.5.7 Decompose 10 | | | | | | | | | | √ | | √ | √ | | |
| 0.5.8 Solve Subtraction Problems within 10 | | | | | | | | | | √ · | √ | | | √ | |
| 0.6.0 Place Value with Teen Numbers | | | | | | | | | | | | | | | |
| 0.6.1 Show 11–14 as 10 Ones and Some More | | | | | | | | | | | | | | | √ |
| 0.6.2 Show 15–19 as 10 Ones and Some More | | | | | | | | | | | | | | | √ |
| 0.6.3 Teen Numbers with Drawings and Equations | | | | | | 1 | | | | | | | | † | √ |
| 0.6.4 Compose and Decompose Teen Numbers | | | | | | 1 | | | | | | | | | √ |
| | | | | | | | | | | | | | | | · · |
| 0.7.1 One Loss /One More | | | | | | _ | | | | | | | | | |
| 0.7.1 One Less/One More | √ | | | | | ' | | | | | - | - | | | |
| 0.7.2 Count to 100 by Ones | | | | | | - | - | | | | - | | | - | |
| 0.7.3 Count to 100 by Tens | ✓ | , | | | | | | | | | | | - | - | |
| 0.7.4 Count Forward | | ✓ | | l | L | 1 | I | | | | | L | l | L | |



Grade 1 -- Tennessee State Math Standards

| REDBIRD MATHEMATICS | problems invo | ns involving addition operati nd subtraction. between | | oply properties of the relationship and subtraction. | 2 | | subtraction | addition and a equations. | Extend the counting sequence. | Understand | | properties | subtract. | to add and | indirectly and length | units. |
|--|---------------|--|----------|--|----------|----------|-------------|---------------------------|-------------------------------|------------|-----------|------------|-----------|------------|--------------------------|-------------------|
| No. Unit/Lesson | 1.OA.A.1 | 1.OA.A.2 | 1.OA.B.3 | 1.OA.B.4 | 1.OA.C.5 | 1.OA.C.6 | 1.OA.D.7 | 1.OA.D.8 | 1.NBT.A.1 | 1.NBT.B.2 | 1.NBT.B.3 | 1.NBT.C.4 | 1.NBT.C.5 | 1.NBT.C.6 | 1.MD.A.1 | 1.MD.A.2 |
| 1.1.0 Problem Solving: Addition | | | | | | | | | | | | | | | | |
| 1.1.1 Model Joining Stories (to 5) | ✓ | | | | | | | | | | | | | | | |
| 1.1.2 Ways to Make 6 and 7 | ✓ | | | | ✓ | ✓ | | | | | | | | | | |
| 1.1.3 Ways to Make 8 and 9 | ✓ | | | | ✓ | √ | | | | | | | | | | <u> </u> |
| 1.1.4 Model Joining Stories (to 9) | ✓ | ✓ | | | ✓ | ✓ | | | | | | | | | | |
| 1.1.5 Commutative Property and Add Zero Property | | | ✓ | | ✓ | ✓ | | | | | | | | | | 1 |
| 1.1.6 Ways to Make 10 | ✓ | | | | ✓ | ✓ | | ✓ | | | | | | | | |
| 1.1.7 Model Equations to Represent Addition Stories | ✓ | | | | ✓ | ✓ | | ✓ | | | | | | | | |
| 1.1.8 Write Equations to Represent Addition Stories | ✓ | | | | ✓ | ✓ | | ✓ | | | | | | | | |
| 1.2.0 Problem Solving: Subtraction | | | | | | | | | | | | | | | | |
| 1.2.1 Addition and Subtraction Fact Families | ✓ | | | | ✓ | √ | | √ | | | | | | | | |
| 1.2.2 Model Take From Stories | ✓ | | | ✓ | ✓ | ✓ | | √ | | | | | | | | |
| 1.2.3 Find Missing Parts of 7 and 8 | √ | | | √ | √ | √ | | 1 | | | | | | | | \Box |
| 1.2.4 Model Equations to Represent Subtraction Stories | √ | | | | √ | √ | | 1 | | | | | | | | $\overline{}$ |
| 1.2.5 Find Missing Parts of 9 and 10 | · ✓ | | | √ | √ · | | | 1 | | | | | | | | \Box |
| 1.2.6 Model Take-Apart/Separating Stories | 1 | | | 1 | 1 | 1 | | 1 | | | | | | | | |
| 1.2.7 Write Equations to Represent Subtraction Stories | 1 | | | | √ | √ | | 1 | | | | | | | | |
| 1.2.8 Compare Stories | 1 | | | | 1 | | | 1 | | | | | | | | |
| 1.2.9 Relate Addition and Subtraction | √ | | | | √ | √ | | 1 | | | | | | | \vdash | |
| 1.3.0 Addition and Subtraction Strategies | · | | | | • | | | _ | | | | | | | | |
| 1.3.1 Count On | | | | | 1 | √ | | | | | | | | | | |
| 1.3.2 Use a Known Fact to Add | | | | | V | √ | | | | | | | | | \vdash | |
| 1.3.3 Related Subtraction Facts through 12 | | | | | √ | √ | | | | | | | | | \vdash | $\overline{}$ |
| 1.3.4 Use 10 to Subtract | | | | v | √ | ✓ | | | | | | | | | \vdash | - |
| | 1 | | | √ | √ | ✓ | | | | | | | | | \vdash | - |
| 9 | √ | | | | V | V | √ | 1 | | | | | | | \vdash | \vdash |
| 1.3.6 Find Unknowns on Addition Table 1.4.0 More Work with Addition | - | | | | | | V | V | | | | | | | | |
| | | | <i>J</i> | | 1 | √ | | 1 | | | | | | | | |
| 1.4.1 Numbers Related to 10 | | | V | | √ | ✓ | | ' | | | | | | | \vdash | |
| 1.4.2 Make 10 to Add 7 and 8 | | | | | - | - | | | | | | | | | igwdot | |
| 1.4.3 Make 10 to Add 9 | | | | | √ √ | √ | | | | | | | | | igwdown | \vdash |
| 1.4.4 Use Strategies to Add | | | , | | √ | ✓ | | | | | | | | | \vdash | \vdash |
| 1.4.5 Add Three Addends | | ✓ | ✓ | | , | | , | , | | | | | | | \vdash | |
| 1.4.6 Addition and Subtraction Equations | | | | √ | ✓ | ✓ | ✓ | ✓ | | | | | | | | \vdash |
| 1.5.0 Understand Place Value | | | | | | | | | | | | | | | | |
| 1.5.1 Count Forward to 120 | | | | | | | | | ✓ | | | | | | igsquare | |
| 1.5.2 Teen Numbers | | | | | | | | | | ✓ | | | | | igsquare | |
| 1.5.3 Tens and Ones | | | | | | | | | | ✓ | | | | | | |
| 1.5.4 Make Numbers with Tens and Extras | | | | | | | | | | ✓ | | | | | —— | \vdash |
| 1.5.5 Compare Numbers through Hundreds | | | | | | | | | | | ✓ | | | | igsquare | \longrightarrow |
| 1.5.6 Read and Write Numbers | | | | | | | | | ✓ | | | | | | oxdot | |
| 1.6.0 Use Place Value and Properties of Operations to Add and Subtra | ct | | | | | | | | | | | | | | | |
| 1.6.1 Add Two Multiples of 10 | | | | | | | | | | | | ✓ | | | | ldot |
| 1.6.2 Add a Multiple of 10 to a 2-Digit Number on a Hundred Chart | | | | | | | | | | | | ✓ | | | igsquare | igwdown |
| 1.6.3 Add a Multiple of 10 to a 2-Digit Number | | | | | | | | | | | | ✓ | | | | |
| 1.6.4 Add 2-Digit Numbers | | | | | | | | | | | | ✓ | | | | |
| 1.6.5 Subtract Multiples of 10 from Multiples of 10 | | | | | | | | | | | | | | √ | | |
| 1.7.0 Number Strategies and Measurement | | | | | | | | | | | | | | | | |
| 1.7.1 Skip-Counting | | | | | ✓ | | | | | | | | | | | ┌──┐ |
| 1.7.2 Add or Subtract 1 and 10 on a Number Chart | | | | | | | | | | | | | ✓ | | | |
| 1.7.3 Compare and Order Lengths | | | | | | | | | | | | | | | ✓ | |
| 1.7.4 Measure Length with Same-Size Units | | | | | | | | | | | | | | | | ✓ |

| Mc > F D D I D D | | | | Gra | de 2 · | Ten | nesse | e Sta | te Ma | th St | andar | ds | | | | |
|--|--|-----------------------------|-----------|------------|--------------|-----------|--------------|-----------|---------------|-----------------|---------------------------------------|----------|--------------|----------|------------|----------|
| Graw Hill Education MATHEMATICS | Represent and solve problems involving addition and subtraction. | Add and subtract within 30. | | Understand | place value. | | Use place va | | ding and prop | perties of oper | ations to add | | and estimate | | Relate add | |
| No. Unit/Lesson | 2.OA.A.1 | 2.OA.B.2 | 2.NBT.A.1 | 2.NBT.A.2 | 2.NBT.A.3 | 2.NBT.A.4 | 2.NBT.B.5 | 2.NBT.B.6 | 2.NBT.B.7 | 2.NBT.B.8 | 2.NBT.B.9 | 2.MD.A.1 | 2.MD.A.3 | 2.MD.A.4 | 2.MD.B.5 | 2.MD.B.6 |
| 2.1.0 Use Models to Add and Subtract | | | | | | | | | | | | | | | | |
| 2.1.1 Use the Addition Table to Add | | √ | | | | | √ | | √ | | | | | | | - |
| 2.1.2 Use the Addition Table to Add and Subtract | | ✓ | | | | | ✓ | | ✓ | | | | | | | |
| 2.1.3 Find Missing Addends with the Hundred Chart | | √ | | | | | ✓ | | √ | | | | | | | |
| 2.1.4 Add and Subtract with the Hundred Chart | | √ | | | | | √ | | √ | | | | | | | |
| 2.1.5 Add and Subtract within 20 Using Base Ten Blocks | | ✓ | | | | | √ | | √ | | | | | | | |
| 2.1.6 Add and Subtract within 20 Using the Number Line | √ | ✓ | | | | | √ | | √ | | | | | | | |
| 2.1.7 Add and Subtract within 100 Using Base Ten Blocks | | | | | | | √ | | √ | | | | | | | |
| 2.1.8 Add and Subtract within 100 Using the Number Line | √ | | | | | | 1 | | 1 | | | | | | | |
| 2.1.9 Use Tape Diagrams to Add | 1 | | | | | | - | | 1 | | | | | | | |
| 2.1.10 Use Tape Diagrams to Add and Subtract | 1 | | | | | | V | | 1 | | | | | | | |
| 2.2.0 Use Strategies to Add and Subtract | | | | | | | | | | | | | | | | |
| 2.2.1 Make a Ten to Add | √ | √ | | | | | √ | | √ | | √ | | | | | |
| 2.2.2 Make a Ten to Subtract | 1 | √ | | | | | V | | 1 | | 1 | | | | | |
| 2.2.3 Two-step Problems | · ✓ | | | | | | <i>\</i> | | 1 | | <i>\</i> | | | | | |
| 2.2.4 Make a Simpler Problem to Add | | <i>J</i> | | | | | , | | 1 | | <i>'</i> | | | | | |
| 2.2.5 Make a Simpler Problem to Subtract | | · ✓ | | | | | <i>'</i> | | 1 | | <i>'</i> | | | | | |
| 2.2.6 Problem Solving with Sums to 100 | √ | - | | | | | · / | | <i></i> | | · / | | | | | |
| 2.2.7 Problem Solving with Sums and Differences to 100 | √ | | | | | | 1 | | 7 | | 7 | | | | | |
| 2.3.0 Numbers to 1000 and Place Value | | | | | | | _ | | _ | | · | _ | | | | |
| 2.3.1 Numbers through 100 | | | | | 1 | | | | | | | | | | | |
| 2.3.2 Numbers through 1000 | | | | | \ \ \ | | | | | | | | | | | |
| 2.3.3 Represent Numbers on a Number Line | | | | | √ | | | | | | | | | | | |
| 2.3.4 Compare Numbers Using Place Value | | | | | \ \ \ | / | | | | | | | | | | |
| 2.4.0 Addition with Multi-Digit Numbers | | | | | _ | | | | | | | | | | | |
| 2.4.1 Add Tens to 2-Digit Numbers | | | | | | | | | √ | | | _ | | | | |
| 2.4.2 Find Sums of 2-Digit Numbers | | | | | | | | | → | | ✓ | | | | | |
| 2.4.3 Use Strategies to Add 3-Digit Numbers | | | | | | | | | √ | √ | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | | | |
| 2.4.4 Add Tens to 3-Digit Numbers | | | | | | | | | \ \ \ \ \ | V | ─ ` | | | | | |
| 2.4.5 Find Sums of 3-Digit Numbers | | | | | | | | | → | _ ' | | | | | | |
| 2.4.5 Find Sums of 3-Digit Numbers 2.4.6 Find Sums of Multi-Digit Numbers | | | | | | | | | √ | | | | | | | |
| 2.4.7 Find Sums of More than Two Numbers | | | | | | | | √ | √ | | √ | | | | | |
| | / | | | | | | 1 | V | V | | - | | | | | |
| 2.4.8 Problem Solving with Addition | V | | | | | | V | V | V | | | | | | | |
| 2.5.0 Subtraction with Multi-Digit Numbers | | | | | | | 1 | | , | | | | | | | |
| 2.5.1 Decompose to Subtract 2-Digit Numbers | | | | | | | | | √ | | , | | | | | |
| 2.5.2 Find Differences of 2-Digit Numbers | | | | | | | √ | | √ | | √ | | | | | |
| 2.5.3 Problem Solving with 2-Digit Numbers | ✓ | | | | | | ✓ | | √ | , | , | | | | | |
| 2.5.4 Use Strategies to Subtract 3-Digit Numbers | | | | | | | | | √ | √ | √ | | | | | |
| 2.5.5 Subtract Tens from 3-Digit Numbers | | | | | | | | | √ | ✓ | | | | | | , |
| 2.5.6 Subtract 3-Digit Numbers | | | | | | | | | ✓ | | | | | | ! | , |
| 2.5.7 Subtract Multi-Digit Numbers | | | | | | | | | ✓ | | √ | | | | | |
| 2.6.0 Measure Length | | | | | | | | | | | | | | | | |
| 2.6.1 Measurement Tools | | | | | | | | | | | | √ | | | ! | |
| 2.6.2 Lengths in Inches and Feet | | | | | | | | | | | | ✓ | √ | | | |
| 2.6.3 Lengths in Centimeters and Meters | | | | | | | | | | | | ✓ | ✓ | | | |
| 2.6.4 Compare Lengths | | | | | | | | | | | | ✓ | | | ' | |
| 2.7.0 Add and Subtract Lengths | | | | | | | | | | | | | | | | |
| 2.7.1 Find the Sums of Lengths | ✓ | ✓ | | | | | ✓ | | | | | | | | ✓ | ✓ |
| 2.7.2 Find the Differences of Lengths | ✓ | ✓ | | | | | ✓ | | | | | | | ✓ | ✓ | ✓ |
| 2.7.3 Problem Solving with Lengths | ✓ | ✓ | | | | | ✓ | | | | | | | | ✓ | |
| 2.7.4 Compare Problems with Lengths | ✓ | ✓ | | | | | ✓ | | | | | | | ✓ | ✓ | |

| | | | | | | | | | | Grade 3 | Tenn | essee | Stat | te Ma | ath S | tandards | | | | | | | | |
|--|----------|--------------|----------|----------|---------------------------|---|---------------------------------|--|------------------|---|----------|-----------|-------------|---------------|--------------|---------------------|----------|------------------------------------|-----------|--------------|----------|--------------|-----------|-------------------------|
| REDBIRD HIII Education MATHEMATICS | | nt and solve | | | multiplicat relationsh | properties of tion and the nip between n and division. | Multiply and divide within 100. | Solve problems four operations, a explain patterns | ind identify and | Use place value understanding and properties of operations to perform multi-digit arithmetic. | | Develo | op understa | nding of frac | ctions as nu | mbers. | | nd estimation of , liquid volumes, | Geometri | ic measureme | | nd and apply | | area and relate area to |
| No. Unit/Lesson | 3.OA.A.1 | 3.OA.A.2 | 3.OA.A.3 | 3.OA.A.4 | 3.OA.B.5 | 3.OA.B.6 | 3.OA.C.7 | 3.OA.D.8 | 3.OA.D.9 | 3.NBT.A.3 | 3.NF.A.1 | 3.NF_A_2a | 3.NF.A.2b | 3.NF.A.3a | 3.NF.A.3b | 3.NF.A.3c 3.NF.A.3d | 3.MD.A.1 | 3.MD.A.2 | 3.MD.C.5a | 3.MD.C.5b | 3.MD.C.6 | 3.MD.C.7a | 3.MD.C.7b | 3.MD.C.7c 3.MD.C.7d |
| 3.1.0 Understand Multiplication | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.1.1 Equal Groups: Repeated Addition | 1 | | | 1 | | | 1 | | | | | | | | | | | | - | | | | | |
| 3.1.2 Equal Groups: Unknown Items Per Group | 1 | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | |
| 3.1.3 Equal Groups: Unknown Number of Groups | 1 | | 1 | 1 | | | 1 | | | | | | | | | | | | - | | | | | |
| 3.1.4 Equal Groups: Rows | 1 | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | |
| 3.1.5 Equal Groups: The Array Model | 1 | | 1 | 1 | | | 1 | | | | | | | | | | | | - | | | | | |
| 3.1.6 Commutative Property of Multiplication | | | <i></i> | V | | | \ \ \ | | | | | | | | | | | | _ | | | | | |
| 3.1.7 Multiplicative Identity Property and Zero Property of Multiplication | | | <i>-</i> | 1 | , | | 1 | | | | | | | | | | | | | | | | | |
| 3.1.8 Problem Solving with Multiplication | | | √ | √ | ٧ | | \ \ \ | | | | | | | | | | | | _ | | | | | |
| 3.2.0 Concept of Area | | | | _ | | | | | | | | | | | | | | | | | | | | |
| 3.2.1 Concept of Area 3.2.1 Compare Areas of Rectangles | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | | |
| 3.2.1 Compare Areas of Rectangles 3.2.2 Tile Rectangles to Find Area | | | | | | - | | | | | - | | | | - | | | | - | 1 | | 1 | 1 | |
| | | | | | | | | | | | | | | | | $\overline{}$ | | | | · ' | √ | √ | 1 | |
| 3.2.3 Area Formula | | | | | | | | | | | | | | | | | | | | | ✓ | - | | |
| 3.2.4 Decompose a Rectangle to Find Area | | | | | | | | | | | | | | | | | | | 4 | | | | √ | ✓ |
| 3.2.5 Area with Customary Units | | | ✓ | | | | | | | | | | | | | | | | | | | | ✓ | |
| 3.2.6 Area with Metric Units | | | ✓ | | | | | | | | | | | | | | | | 4 | | | | ✓ | |
| 3.2.7 Decompose Figures to Find Area | | | | | | | | | | | | | | | | | | | | | | | ✓ | ✓ |
| 3.3.0 Patterns in Multiplication | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.3.1 Multiply by 2 | | | | ✓ | | | ✓ | | ✓ | | | | | | | | | | 4 | | | | | |
| 3.3.2 Multiply by 3 and 5 | | | | ✓ | | | ✓ | | ✓ | | | | | | | | | | 4 | | | | | |
| 3.3.3 Introduction to Multiplication Tables | | | | ✓ | | | ✓ | | ✓ | | | | | | | | | | | | | | | |
| 3.3.4 Use Multiplication Tables | | | | ✓ | | | ✓ | | ✓ | | | | | | | | | | | | | | | |
| 3.3.5 Basic Multiplication Facts | | | | ✓ | ✓ | | ✓ | | | | | | | | | | | | | | | | | |
| 3.3.6 Patterns in the Multiplication Table | | | | ✓ | ✓ | | √ | | ✓ | | | | | | | | | | | | | | | |
| 3.3.7 Learn Multiplication Facts | | | | ✓ | ✓ | | ✓ | | | | | | | | | | | | | | | | | |
| 3.4.0 Understand Division | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.4.1 Equal Groups: Unknown Items Per Group | | √ | _ | √ | | | √ | | | | | | | | | | | | | | | | | |
| 3.4.2 Equal Groups: Unknown Number of Groups | | ✓ | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | |
| 3.4.3 Equal Groups: Tape Diagrams | | 1 | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | |
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| | REDBIRD MATHEMATICS | | | lace value sy | | whole nun | perations wit nbers and wi | th decimals s. | fractio strategy t subtract | uivalent ns as a to add and fractions. | , | | · | | gs of multipl fractions. | | | | | | volume | e to multiplic | ation and to | | | Graph point coordinate solve real-w mathema probler | plane to orld and atical ms. |
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| | tiply Fractions Using an Area Diagram | | | | | | | | | | | 1 | √ | √ | √ | 1 | | | | | | | | | | | |
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| | ered Pairs | | | | | | | | | | | | | | | | | | | | | | | | | \ \ \ \ | |
| | nect Points in the Plane | | | | | | | | | | | | | | | | | | | | | | | | | + | 1 |
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| | | | | | | | | | | | Gra | de 6 | Ter | ness | ee St | tate I | Matl | h Sta | ndar | ds | | | | | | | | |
|-------|---|-----------|--------------|--------------|---------------|---------------|--------------|---|----------|--------------|-------------|-------------|---------------|------------|---------------|---------|----------|--|--|--|--------------|--|----------|--------|---------------------------------------|--------------------------------|---|---|
| | Graw Hill MATHEMATICS | Understan | nd ratio cor | ncepts and u | se ratio reas | oning to solv | ve problems. | Apply and extend previous understandings of multiplication and division to divide fractions by fractions. | Apply a | and extend p | revious und | erstandings | of numbers to | the system | of rational n | umbers. | Apply | | previous un algebraic ex | | gs of arithm | netic to | | | solve one-variable d inequalities. | quant relationshi depend | and analyze titative ips between dent and nt variables. | Solve real-world and mathematical problems involving area, surface area, and volume. |
| No. | Unit/Lesson | | | | 6.RP.A.3b | | | | | | | | | | | | 6.EE.A.1 | | | | 6.EE.A.3 | 6.EE.A.4 | | | 6.EE.B.7 6.EE.B.8 | | | 6.G.A.3 |
| 6.1.0 | Rational Numbers and Absolute Value | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.1.1 | Explore Integers | | | | | | | | \ | ✓ | | | | | | | | | | | | | | | | | | |
| | Rational Numbers | | | | | | | | | | | ✓ | | | | | | | | | | | | | | | | |
| | Compare and Order Rational Numbers | | | | | | | | | | | | ✓ | ✓ | | | | | | | | | | | | | | |
| | Understand Absolute Value | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | |
| | Problem Solving with Absolute Value | | | | | | | | | | | | | | ✓ | | | | | | | | | | | | | |
| | Rational Numbers in the Coordinate Plane | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Graphs on the Coordinate Plane | | | | | | | | | | ✓ | √ | | | | | | | | | | | | | | | | |
| | Distance in the Coordinate Plane | | | | | | | | | | | | | | | ✓ | | | | | | | | | | _ | | |
| | Reflections on the Coordinate Plane | | | | | | | | | | ✓ | | | | | | | | | | | | | | | _ | | |
| | Problem Solving with the Coordinate Plane | _ | | | | | | | | | | | | | | ✓ | | | | | | | | | | _ | | ✓ |
| | Division of Fractions | | | | | | | , | | | | | | | | | | | | | | | | | | | | |
| | Model Division with Unit Fractions Model Fraction Division | | | | | | | √ | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | <i>y</i> | | | | | | | | | | | | | | | | | | _ | | |
| | Write Fraction Division Equations Fraction Division with Equations | | | | | | | <i>y</i> | | | | | | | | | | | | | | | | | | _ | | |
| | Create, Model, and Solve Problems with Fraction Division | | | | | | | V | | | | | | | | | | | | | | | | | | _ | | |
| | Problem Solving with Fractions and Mixed Numbers | | | | | | | V | | | | | | | | | | | | | | | | | | | | |
| | Ratios and Rates | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Visualize and Represent Ratios | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Compare Ratios | • | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Unit Rates | | 1 | <u> </u> | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| | Graph Rates and Other Ratios | | <u> </u> | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 6.4.5 | Convert Measurement Units | | | <u> </u> | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| | Problem Solving with Unit Rates | | 1 | / | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | |
| | Proportions and Proportional Reasoning | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Write Proportions | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| | Strategies to Solve Proportions | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 6.5.3 | Percents | | | | | √ | | | | | | | | | | | | | | | | | | | | | | |
| 6.5.4 | Solve Percent Problems | | | | | √ | | | | | | | | | | | | | | | | | | | | | | |
| | Problem Solving with Proportions | | | ✓ | ✓ | ✓ | ✓ | | | | | | | | | | | | | | | | | | | | | |
| | Algebraic Reasoning: Write and Evaluate Expressions | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Introduction to Exponents | | | | | | | | | | | | | | | | ✓ | | | | | | | | | | | |
| | Order of Operations | | | | | | | | | | | | | | | | ✓ | √ | | ✓ | | | | | | | | |
| | Numerical Expressions | | | | | | | | | | | | | | | | | ✓ | | ✓ | | | | | | | | |
| | Transition to Algebraic Expressions | | | | | | | | | | | | | | | | | √ | ✓ | ✓ | | | | | | | | |
| | Read and Write Algebraic Expressions Part 1 | | | | | | | | | | | | | | | | | √ | ✓ | <u> </u> | | | | | | | | |
| | Read and Write Algebraic Expressions Part 2 | | | | | | | | | | | | | | | | | ✓ | | ✓ | | | | | | | | |
| | Equivalent Expressions | | | | | | | | | | | | | | | | | | | | ✓ | √ | | | | | | |
| | Use Equivalent Expressions to Simplify | | | | | | | | | | | | | | | | | . | <u> </u> | . | √ | √ | | | | | | |
| | Problem Solving with Algebraic Expressions | | | | | | | | | | | | | | | | | ✓ | | ✓ | ✓ | ✓ | | | | | | |
| | Equations and Inequalities | | | | | | | | | | | | | | | | | | | | | | , | | | | | |
| | Check for Solutions to Equations | | | | | | | | | | | | | | | | | | | | | - | ✓ | , | | | | |
| | Write 1-Variable Equations Solve 1-Variable Equations | | | | | | | | | | | | | | | | | | - | - | | | | √ √ | 1 | | | |
| | Solve 1-Variable Equations Problem Solving with 1-Variable Equations | | | | | | | | | | | | | | | | | | - | - | | - | | · · | √ √ | - | | |
| | Problem Solving with 1-Variable Equations Represent 2-Variable Relationships | | | | | | | | | | | | | | | | | | | | | | | | - | 1 | | |
| | Represent 2-Variable Relationships Analyze Relationships Using Tables and Graphs | | | | | | | | | | | | | | | | | | | | | | | | | - | / | |
| | Analyze Relationships Using Tables and Graphs Relate Tables and Graphs to Equations | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| | Write Inequalities | | | | | | | | | | | | | | | | | | <u> </u> | - | | - | 1 | | 1 | <u> </u> | - | |
| | Solutions of Inequalities | | | | | | | | | | | | | | | | | | | | | | - | | V | | | |
| 0.7.9 | porutions of mequalities | | | | | | | - | | | | | | | | | | | | ь | 1 | <u> </u> | | | | | | |

| | | | | | | | | | | Gr | ade : | 7 T | enn | esse | e Sta | ite Ma | ath St | andar | ds | | | | | |
|--|----------|-----------|-----------|------------|-------------|-------------|-----------|-----------|-----------|--|-------------|-----------|-----------|-----------|----------|--------------------------|---|------------------|-------------------------|-----------|--|---------------------------------|--|---|
| Graw Hill Education MATHEMATICS | | world | and mathe | matical pr | oblems. | solve real- | | | | and divi | de rational | numbers. | | | | operations equivalent | perties of to generate expressions. | numerical an | d algebraic ex inequ | alities. | equations and | the relationships between them. | mathematic involving an area, surfa vol | al-life and cal problems ngle measure, ice area, and ume. |
| No. Unit/Lesson | 7.RP.A.1 | 7.RP.A.2a | 7.RP.A.2b | 7.RP.A.2 | c 7.RP.A.20 | 7.RP.A.3 | 7.NS.A.1a | 7.NS.A.1b | 7.NS.A.10 | 7.NS.A.1d | 7.NS.A.2a | 7.NS.A.2b | 7.NS.A.2c | 7.NS.A.2d | 7.NS.A.3 | 7.EE.A.1 | 7.EE.A.2 | 7.EE.B.3.a | 7.EE.B.3.b | 7.EE.B.4a | 7.EE.B.4b | 7.G.A.1 | 7.G.B.3 | 7.G.B.5 |
| 7.1.0 Operations with Integers | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.1.1 Add and Subtract Integers on the Number Line | | | | | | | | ✓ | √ | | | | | | | | | | | | | | | |
| 7.1.2 Add and Subtract Integers | | | | | | | √ | ✓ | 1 | _ | | | | | | | | | | | | | | |
| 7.1.3 Multiply Integers on the Number Line | | | | | | | | | | | √ | | √ | | | | | | | | | | | |
| 7.1.4 Multiply Integers | | | | | | | | | | | √ | | ✓ | | | | | | | | | | | |
| 7.1.5 Multiply and Divide Integers | | | | | | | | | | | | √ | √ | | | | | | | | | | | |
| 7.1.6 Problem Solving with Integers | | | | | | | | | | √ | | | ✓ | | | | | √ | √ | | | | | |
| 7.2.0 Operations with Rational Numbers | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.2.1 Add, Subtract, and Multiply Rational Numbers | | | | | | | | √ | 1 | | √ | | | | | | | | | | | | | |
| 7.2.2 Operations with Rational Numbers | | | | | | | | | | / | | | ✓ | | √ | | | | | | | | | |
| 7.2.3 Multiply and Divide Rational Numbers | | | | | | | | | | | | √ | ✓ | | | | | | | | | | | |
| 7.2.4 Fractions as Division | | | | | | | | | | | | √ | ✓ | | | | | | | | | | | |
| 7.2.5 Numerical Expressions with Rational Numbers | | | | | | | | | | | | | | | √ | | | √ | √ | | | | | |
| 7.2.6 Decimals and Fractions | | | | | | | | | | | | | | ✓ | | | | | | | | | | |
| 7.2.7 Problem Solving with Rational Numbers | | | | | | | | | | | | | | | √ | | | √ | | | | | | |
| 7.3.0 Unit Rates and Proportional Reasoning | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.3.1 Find and Compare Unit Rates | ✓ | | 1 | | | | | | | | | | | | | | | | | | | | | |
| 7.3.2 Identify Proportional Relationships from Tables and Graphs | | √ | | | | | | | | | | | | | | | | | | | | | | |
| 7.3.3 Proportional Relationships in Tables and Graphs | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | |
| 7.3.4 Tables, Graphs, and Equations of Proportional Relationships | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | |
| 7.3.5 Scale Drawings | | | 1 | | | 1 | | | | | | | | | | | | | | | | √ | | |
| 7.3.6 Represent Proportional Relationships | | | / | | | | | | | | | | | | | | | | | | | | | |
| 7.3.7 Problem Solving with Unit Rates and Constant of Proportionality | | | | | | √ | | | | | | | | | | | | √ | √ | | | | | |
| 7.4.0 Proportional Reasoning and Percents | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.4.1 Represent and Solve Proportions | | | | | | ✓ | | | | | | | | | | | | | | | | | | |
| 7.4.2 Proportional Relationships and Percents | | | | | | ✓ | | | | | | | | | | | | | | | | | | |
| 7.4.3 Proportional Relationships and Percent Change | | | | | | ✓ | | | | | | | | | | | | | | | | | | |
| 7.4.4 Problem Solving with Percent Change | | | | | | ✓ | | | | | | | | | | | | ✓ | ✓ | | | | | |
| 7.4.5 Problem Solving with Proportional Relationships | | | | | | ✓ | | | | | | | | | | | | ✓ | | | | | | |
| 7.5.0 Algebraic Expressions | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.5.1 Add and Subtract Linear Expressions | | | | | | | | | | | | | | | | ✓ | | | | | | | | |
| 7.5.2 Expand Linear Expressions | | | | | | | | | | | | | | | | ✓ | | | | | | | | |
| 7.5.3 Expand and Factor Linear Expressions | | | | | | | | | | | | | | | | ✓ | | | | | | | | |
| 7.5.4 Analyze Equivalent Expressions | | | | | | | | | | | | | | | | | ✓ | | | | | | | |
| 7.5.5 Simplify Multi-Step Expressions | | | | | | | | | | | | | | | | ✓ | | ✓ | | | | | | |
| 7.6.0 Write and Solve Equations and Inequalities | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.6.1 One-Step Equations with Rational Numbers | | | | | | | | | | | | | | | | | | | | ✓ | | | | |
| 7.6.2 Write Multi-Step Equations to Model Problems | | | | | | | | | | | | | | | | | | ✓ | | √ | | | | \perp |
| 7.6.3 Solve Multi-Step Equations | | | | | | | | | | | | | | | | | | / | | √ | | | | \sqcup |
| 7.6.4 Problem Solving with Equations | | | | | | | | | | | | | | | | | | ✓ | | ✓ | | | | |
| 7.6.5 Write Inequalities to Model Problems | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| 7.6.6 Write and Solve Inequalities Part 1 | | | | | | | | | | | | | | | | | | | | | ✓ | | | - |
| 7.6.7 Write and Solve Inequalities Part 2 | | | | | | | | | | | | | | | | | | . | | | √ | | | \vdash |
| 7.6.8 Problem Solving with Inequalities | | | | | | | | | | | | | | | | | | ✓ | | | √ | | | |
| 7.7.0 Equations in Measurement and Geometry | | | | | | | | | | | | | | | | | | | | | | | , | |
| 7.7.1 Circumference of a Circle | | , | | | | | | - | 1 | - | | | | | | | | | | | | | ✓ ✓ | \vdash |
| 7.7.2 Area and Circumference of a Circle | | √ | | | | | <u> </u> | <u> </u> | - | | - | | | <u> </u> | - | | | , | | , | | | <i>\</i> | \vdash |
| 7.7.3 Problem Solving with Circles | | | | | | | | - | - | - | | | | | | | | ✓ | | <i>J</i> | - | | | |
| 7.7.4 Area and Surface Area of 2- and 3-Dimensional Objects | | | | | | | | - | - | - | | | | | | | | | | ✓ | - | | | 1 |
| 7.7.5 Surface Area and Volume of 3-Dimensional Objects 7.7.6 Problem Solving with 2- and 3-Dimensional Objects | | | | | | | | | - | _ | | | | | | | | | | 1 | | | | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |
| 7.7.6 Problem Solving with 2- and 3-Dimensional Objects | | | | | | | | | | | | | | | | | | | | | | | | |