5TH GRADE Pacing Guide 2017-2018

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| TOPIC | SKILLS COVERED | ENVISION LESSON | CCS | NOTES |
| Topic 13 | Write and Interpret Numerical Expressions | 7 Days | | |
|  | Order of Operations | Lesson 13-1 |  | Order of Operations |
|  | Evaluate Expressions | Lesson 13-2 |  | Evaluate Expressions |
|  | Write Numerical Expressions | Lesson 13-3 |  | Write Numerical Expressions |
|  | Interpret Numerical Expressions | Lesson 13-4 |  | Interpret Numerical Expressions |
|  | Math practices and problem solving  Reasoning | Lesson 13-5 |  | Math practices and problem solving  Reasoning |
|  | Review |  |  | Review |
|  | Topic 13 Performance Assessment |  |  | Topic 13 Performance Assessment |
| Topic 15 | Algebra: Analyze patterns and relationships | 6 days | | |
|  | Numerical patterns | Lesson 15-1 |  | Numerical patterns |
|  | More numerical patterns | Lesson 15-2 |  | More numerical patterns |
|  | Analyze and graph relationships | Lesson 15-3 |  | Analyze and graph relationships |
|  | Math practices and problem solving  Making sense and persevere | Lesson 15-4 |  | Math practices and problem solving  Making sense and persevere |
|  | Review |  |  | Review |
|  | Topic 15 Performance Assessment |  |  | Topic 15 Performance Assessment |
| top Topic 1 | **UNDERSTANDING PLACE VALUE** | 10 days | | |
|  | Patterns with Exponents and Powers of 10 | Lesson 1-1 | 5.NBT.A.2 |  |
|  | Understand Whole-Number Place Value | Lesson 1-2 | 5.NBT.A.1 |  |
|  | Decimals to Thousandths | Lesson 1-3 | 5.NBT.A.1 |  |
|  | Understand Decimal Place Value | Lesson 1-4 | 5.NBT.A.3a |  |
|  | Compare Decimals | Lesson 1-5 | 5.NBT.A.3b |  |
|  | Round Decimals | Lesson 1-6 | 5.NBT.A.4 |  |
|  | Math Practices and Problem  Look for and use Structure | Lesson 1-7 | 5.NBT.A.3a |  |
|  | Review, |  |  |  |
|  | Topic 1 Performance Assessment |  |  |  |
| Topic 2 | **Add and Subtract Decimals to Hundredths** | 10 days | | |
|  | Mental Math | Lesson 2-1 | 5.NBT.B.7 |  |
|  | Estimate Sums and Differences | Lesson 2-2 | 5.NBT.B.7 |  |
|  | Use Models to Add and Subtract Decimals | Lesson 2-3 | 5.NBT.B.7 |  |
|  | Add Decimals | Lesson 2-4 | 5.NBT.B.7 |  |
|  | Subtract Decimals | Lesson 2-5 | 5.NBT.B.7 |  |
|  | Add and Subtract Decimals | Lesson 2-6 | 5.NBT.B.7 |  |
|  | Math Practice and Problem Solving | Lesson 2-7 | 5.NBT.B.7 |  |
|  | Review |  |  |  |
|  | Topic 2 Performance Assessment |  |  |  |
| Topic 3 | **Fluently Multiply Multi-Digit Whole Numbers** | 10 Days | | |
|  | Multiply Greater Numbers by Powers of 10 | Lesson 3-1 | 5.NBT.A.2 |  |
|  | Estimate Products | Lesson 3-2 | 5.NBT.A.5 |  |
|  | Multiply 3-Digit by 2-Digit Numbers | Lesson 3-3 | 5.NBT.A.5 |  |
|  | Multiply Whole Number with Zeroes | Lesson 3-4 | 5.NBT.A.5 |  |
|  | Multiply Multi-Digit Numbers | Lesson 3-5 | 5.NBT.A.5 |  |
|  | Solve Word Problems Using Multiplication | Lesson 3-6 | 5.NBT.A.5 |  |
|  | Math Practices and Problem Solving Math Critique Reasoning | Lesson 3-7 | 5.NBT.A.5 |  |
|  | Review |  |  |  |
|  | **Topic 3** Performance Assessment |  |  |  |
| Topic 4 | **Fluently Multiply Multi-Digit Whole Numbers** | 15 Days | | |
|  | Multiply Decimals by Powers of 10 | Lesson 4-1 | 5.NBT.A.2 |  |
|  | Estimate the Product of a Decimal and a Whole Number | Lesson 4-2 | 5.NBT.B.7 |  |
|  | Use Models to Multiply a Decimal and a Whole Number | Lesson 4-3 | 5.NBT.B.7 |  |
|  | Multiply a Decimal by a whole number | Lesson 4-4 | 5.NBT.B.7 |  |
|  | Use Models to multiply a Decimals and a Decimal | Lesson 4-5 | 5.NBT.B.7 |  |
|  | Multiply Decimals Using Partial Products | Lesson 4-6 | 5.NBT.B.7 |  |
|  | Use Properties to Multiply Decimals | Lesson 4-7 | 5.NBT.B.7 |  |
|  | Use Number Sense to Multiply Decimals | Lesson 4-8 | 5.NBT.B.7 |  |
|  | Multiply Decimals | Lesson 4-9 | 5.NBT.B.7 |  |
|  | Math Practices and Problem Solving  Model with Math | Lesson 4-10 | 5.NBT.B.7 |  |
|  | Review |  |  |  |
|  | **Topic 4** Performance Assessment |  | 5.NBT.B.7 |  |
| Topic 5 | **Use Models and Strategies to Divide Whole Numbers** | 11 Days | | |
|  | Use Patterns and Mental Math to Divide | Lesson 5-1 | 5.NBT.B.6 |  |
|  | Estimate Quotients with 2-Digit Divisions | Lesson 5-2 | 5.NBT.B.6 |  |
|  | Use Models to Divide with 2 Digit Divisors | Lesson 5-3 | 5.NBT.B.6 |  |
|  | Use Partial Quotients to Divide | Lesson 5-4 | 5.NBT.B.6 |  |
|  | Divide by Multiples of 10 | Lesson 5-5 | 5.NBT.B.6 |  |
|  | Use Estimation to Place the First Digit of the Quotient | Lesson 5-6 | 5.NBT.B.6 |  |
|  | Divide by 2-digit Divisors | Lesson 5-7 | 5.NBT.B.6 |  |
|  | Math Practices and Problem Solving  Make Sense and Persevere | Lesson 5-8 | 5.NBT.B.6 |  |
|  | Review |  |  |  |
|  | Topic 5 Performance Assessment |  |  |  |
| Topic 6 | **Use Models and Strategies to Divide Decimals** | 12 days | | |
|  | Patterns for Dividing with Decimals | Lesson 6-1 | 5.NBT.A.2 |  |
|  | Estimate Decimal Quotients | Lesson 6-2 | 5.NBT.A.7 |  |
|  | Use Models to Divide by a 1- Digit Whole Number | Lesson 6-3 | 5.NBT.A.7 |  |
|  | Divide by a 1-Digit Whole Number | Lesson 6-4 | 5.NBT.A.7 |  |
|  | Divide by a 2-Digit Whole Number | Lesson 6-5 | 5.NBT.A.7 |  |
|  | Use Number Sense to Divide Decimals | Lesson 6-6 | 5.NBT.A.7 |  |
|  | Divide by a Decimal | Lesson 6-7 | 5.NBT.A.7 |  |
|  | Continue to Divide with Decimals | Lesson 6-8 | 5.NBT.A.7 |  |
|  | Math Practice and Problem Solving  Reasoning | Lesson 6-9 | 5.NBT.A.7 |  |
|  | Review |  |  |  |
|  | Topic 6 Performance Assessment |  |  |  |
| Topic 7 | **Use Equivalent Fractions to Add and Subtract**  **Fractions** | 15 days | | |
|  | Estimate Sums and Differences of fractions | Lesson 7-1 | 5.NF.A1  5.NF.A.2 |  |
|  | Find Common Denominators | Lesson 7-2 | 5.NF.A1  5.NF.A.2 |  |
|  | Add Fractions with unlike Denominators | Lesson 7-3 | 5.NF.A1  5.NF.A.2 |  |
|  | Subtract Fractions with Unlike Denominators | Lesson 7-4 | 5.NF.A1  5.NF.A.2 |  |
|  | Add and Subtract Fractions | Lesson 7-5 | 5.NF.A1  5.NF.A.2 |  |
|  | Estimate Sums and Differences of Mixed Numbers | Lesson 7-6 | 5.NF.A1  5.NF.A.2 |  |
|  | Use models to add Mixed numbers | Lesson 7-7 | 5.NF.A1  5.NF.A.2 |  |
|  | Add Mixed Numbers | Lesson 7-8 | 5.NF.A1  5.NF.A.2 |  |
|  | Use Models to Subtract Mixed Numbers | Lesson 7-9 | 5.NF.A1  5.NF.A.2 |  |
|  | Subtract Mixed Numbers | Lesson 7-10 | 5.NF.A1  5.NF.A.2 |  |
|  | Add and Subtract Mixed Numbers | Lesson 7-11 | 5.NF.A1  5.NF.A.2 |  |
|  | Math Practices and Problem Solving : Model with Math | Lesson 7-12 | 5.NF.A1  5.NF.A.2 |  |
|  | Review |  | 5.NF.A1  5.NF.A.2 |  |
|  | Topic7 Performance Assessment |  | 5.NF.A1  5.NF.A.2 |  |
| Topic 8 | **Apply Understanding of Multiplication to**  **Multiply Fractions** | 13 days | | |
|  | Use models to Multiply a Whole Number by a fraction | Lesson 8-1 | 5.NF.B.4a  5.NF.B.6 |  |
|  | Use Models to Multiply a fraction by a Whole Number | Lesson 8-2 | 5.NF.B.4a  5.NF.B.6 |  |
|  | Multiply Fractions and whole Numbers | Lesson 8-3 | 5.NF.B.4a |  |
|  | Use models to multiply two fractions | Lesson 8-4 | 5.NF.B.4a |  |
|  | Multiply two fractions | Lesson 8-5 | 5.NF.B.4a |  |
|  | Area of a rectangle | Lesson 8-6 | 5.NF.B.4b |  |
|  | Multiply mixed numbers | Lesson 8-7 | 5.NF.B.4b |  |
|  | Multiplication as scaling | Lesson 8-8 | 5.NF.B.5a  5.NF.B.5b |  |
|  | Math practices and problem solving: making  sense and persevere | Lesson 8-9 | 5.NF.B.5a  5.NF.B.5b  5.NF.B.6 |  |
|  | Review |  |  |  |
|  | Topic 8 Performance Assessment |  |  |  |
| Topic 9 | **Apply Understanding of Division to Divide Fractions** | 12 Days | | |
|  | Fractions and Division | Lesson 9-1 | 5.NF.B.3 |  |
|  | Fractions and Mixed Numbers as Quotients | Lesson 9-2 | 5.NF.B.3 |  |
|  | Use Multiplication to Divide | Lesson 9-3 | 5.NF.B.7b  5.NF.B.7c |  |
|  | Divide Whole Numbers by Unit Fractions | Lesson 9-4 | 5.NF.B.7b  5.NF.B.7c |  |
|  | Divide Unit Fractions by Non-zero whole numbers | Lesson 9-5 | 5.NF.B.7b  5.NF.B.7c |  |
|  | Divide Whole Numbers and unit fractions | Lesson 9-6 | 5.NF.B.7a  5.NF.B.7b  5.NF.B.7c |  |
|  | Solve problems using Division | Lesson 9-7 | 5.NF.B.7c |  |
|  | Math practices and problem solving  Repeated reasoning | Lesson 9-8 | 5.NF.B.7a  5.NF.B.7b  5.NF.B.7c |  |
|  | Review |  | | |
|  | Topic 9 Performance Assessment |  |  |  |
| Topic 10 | Understand Volume Concepts | 10 days | | |
|  | Model Volume | Lesson 10-1 | 5.MD.C.3a,  5.MD.C.3b  5.MD.C.4 |  |
|  | Develop a Volume Formula | Lesson 10-2 | 5.MD.C.5a,  5.MD.C.5b  5.MD.C.4 |  |
|  | Volume of Prisms | Lesson 10-3 | 5.MD.C.5a,  5.MD.C.5b |  |
|  | Combine Volumes and Prisms | Lesson 10-4 | 5.MD.C.5c, |  |
|  | Solve word problems using volume | Lesson 10-5 | 5.MD.C.5c, |  |
|  | Math practices and problem solving  Use appropriate tools | Lesson 10-6 | 5.MD.C.3a,  5.MD.C.3b  5.MD.C.4 |  |
|  | Review |  |  |  |
|  | Topic 10 Performance Assessment |  |  |  |
| Topic 11 | Convert Measurements | 12 Days | | |
|  | Convert Customary units of length | Lesson 11-1 | 5.MD.A.1  5.NBT.B.5  5.NBT.B.6 |  |
|  | Convert Customary units of capacity | Lesson 11-2 | 5.MD.A.1  5.NBT.B.5  5.NBT.B.6 |  |
|  | Convert customary units of weight | Lesson 11-3 | 5.MD.A.1  5.NBT.B.5  5.NBT.B.6 |  |
|  | Convert metric units of length | Lesson 11-4 | 5.MD.A.1,  5.NBT.A.2 |  |
|  | Convert metric units of capacity | Lesson 11-5 | 5.MD.A.1,  5.NBT.A.2 |  |
|  | Convert metric units of mass | Lesson 11-6 | 5.MD.A.1,  5.NBT.A.2 |  |
|  | Solve word problems using measurement conversions | Lesson 11-7 | 5.MD.A.1,  5.NBT.B.5 |  |
|  | Math practices and problem solving  Precision | Lesson 11-8 | 5.MD.A.1,  5.NBT.B.5 |  |
|  | Review |  |  |  |
|  | Topic 11 Performance Assessment |  |  |  |

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| Topic 12 | Represent and Interpret Data | 7 days | | |
|  | Analyze Line Plots | Lesson 12-1 | 5.MD.B.2 |  |
|  | Make line plots | Lesson 12-2 | 5.MD.B.2 |  |
|  | Solve word problems using measurement data | Lesson 12-3 | 5.MD.B.2  5.NF.A.2  5.NF.B.6 |  |
|  | Math practices and problem solving  Critique reasoning | Lesson 12-4 | 5.MD.B.2  5.NF.A.2  5.NF.B.6 |  |
|  | Review |  |  |  |
|  | Topic 12 Performance Assessment |  |  |  |
| Topic 14 | Graph Points on the Coordinate Plane | 7 days | | |
|  | The coordinate system | Lesson 14-1 | 5.G.A.1 |  |
|  | Graph data using ordered pairs | Lesson 14-2 | 5.G.A.1 |  |
|  | Solve problems using ordered pairs | Lesson 14-3 | 5.G.A.1  5.G.A.2 |  |
|  | Math practice and problem solving  reasoning | Lesson 14-4 | 5.G.A.1  5.G.A.2 |  |
|  | Review |  | 5.G.A.1 |  |
|  | Topic 14 Performance Assessment |  | 5.G.A.1 |  |
| Topic 16 | Geometric Measurement: Classify two dimensional figures | 7 Days | | |
|  | Classify triangles | Lesson 16-1 | 5.G.B.3,  5.G.B.4 |  |
|  | Classify quadrilaterals | Lesson 16-2 | 5.G.B.3,  5.G.B.4 |  |
|  | Continue to classify quadrilaterals | Lesson 16-3 | 5.G.B.3,  5.G.B.4 |  |
|  | Math practice and problem solving  Construct arguments | Lesson 16-4 | 5.G.B.3,  5.G.B.4 |  |
|  | Review |  |  |  |
|  | Topic 16 Performance Assessment |  |  |  |