

Grade 5 Math Curriculum Map

Grade 5 mathematics is about:

- (1) Developing fluency with addition and subtraction of fractions, and developing understanding of the multiplication of fractions and of division of fractions in limited cases (unit fractions divided by whole numbers and whole numbers divided by unit fractions)
- (2) Extending division to two-digit divisors, integrating decimal fractions into the place value system and developing understanding of operations with decimals to hundredths, and developing fluency with whole number and decimal operations
- (3) Developing understanding of volume

- [Arizona Mathematics Standards Grade 5](#)
- The standard number is designed for recording purposes and does not imply instructional sequence or importance.
- Our governing board adopted curriculum resources are Open Up Resources 6-8 Math and Zearn Math.

Unit #	Unit Name	Key Content	Standards
0	Beginning of Year	<ul style="list-style-type: none"> • Up to five days may be spent focusing on routines, expectations, and building classroom community. 	
1	Place Value and Decimal Fractions	<ul style="list-style-type: none"> • Multiplicative patterns on the place value chart • Decimal fractions and place value patterns • Place value and rounding decimal fractions • Adding and subtracting decimals • Multiplying decimals • Dividing decimals 	5.NBT.A.1 5.NBT.A.2 5.NBT.A.3 5.NBT.A.4 5.NBT.B.7 5.MD.A.1
2	Base Ten Operations	<ul style="list-style-type: none"> • Mental strategies for multi-digit whole number multiplication • The standard algorithm for multi-digit whole number multiplication • Decimal multi-digit multiplication • Measurement word problems with whole number and decimal multiplication • Mental strategies for multi-digit whole number division • Partial quotients and multi-digit whole number division • Partial quotients and multi-digit decimal division • Measurement word problems with multi-digit division 	5.NBT.A.1 5.NBT.A.2 5.NBT.B.5 5.NBT.B.6 5.NBT.B.7 5.OA.A.1 5.OA.A.2 5.MD.A.1
3	Add and Subtract Fractions	<ul style="list-style-type: none"> • Equivalent Fractions • Making like units pictorially • Making like units numerically • Further applications 	5.NF.A.1 5.NF.A.2
4	Multiply and Divide Fractions and Decimals	<ul style="list-style-type: none"> • Line plots of fraction measurement • Fractions as division • Multiplication of a whole number by a 	5.NBT.B.7 5.NF.B.3 5.NF.B.4

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		<ul style="list-style-type: none"> fraction Fraction expressions and word problems Multiplication of a fraction by a fraction Multiplication with fractions and decimals as scaling and word problems Division of fractions and decimal fractions Interpretation of numerical expressions 	5.NF.B.5 5.NF.B.6 5.NF.B.7a 5.NF.B.7b 5.NF.B.7c 5.OA.A.1 5.OA.A.2 5.MD.A.1 5.MD.B.2
5	Volume, Area, and Shapes	<ul style="list-style-type: none"> Concepts of volume Volume and the operations of multiplication and addition Area of rectangular figures with fractional side lengths Drawings, analysis, and classification of two-dimensional shapes 	5.NF.B.4 5.NF.B.6 5.MD.C.3a 5.MD.C.3b 5.MD.C.4 5.MD.C.5a 5.MD.C.5b 5.MD.C.5c 5.G.B.3 5.G.B.4
6	The Coordinate Plane	<ul style="list-style-type: none"> Coordinates systems Patterns in the coordinate plane and graphing number patterns from rules Drawing figures in the coordinate plane Problem solving in the coordinate plane Multi-Step word problems 	5.OA.A.2 5.OA.B.3 5.G.A.1 5.G.A.2