

BY LESSON

Lesson	Title	Math Content
1.1	Number: Reading and writing five-digit numbers	4.NBT.A.2
1.2	Number: Building a picture of 100,000	4.NBT.A.1 4.NBT.A.2
1.3	Number: Reading and writing six-digit numbers	4.NBT.A.2
1.4	Number: Reading and writing six-digit numbers (with teens and zeros)	4.NBT.A.2
1.5	Number: Writing six-digit numbers in expanded form	4.NBT.A.2
1.6	Number: Locating six-digit numbers on a number line	4.NBT.A.2
1.7	Number: Working with place value	4.NBT.A.1 4.NBT.A.2
1.8	Multiplication: Reviewing the doubles strategy	4.NBT.B.5
1.9	Multiplication: Reviewing the fours and eights facts	4.NBT.B.5
1.10	Multiplication: Extending the fours and eights facts	4.NBT.B.5
1.11	Multiplication: Reviewing and extending the tens facts	4.NBT.B.5
1.12	Multiplication: Exploring patterns	4.NBT.B.5
2.1	Addition: Making estimates	4.OA.A.3 4.NBT.A.3
2.2	Addition: Reviewing the standard algorithm (composing tens)	4.OA.A.3 4.NBT.A.4
2.3	Addition: Reviewing the standard algorithm (composing hundreds)	4.OA.A.3 4.NBT.A.4
2.4	Addition: Working with the standard algorithm (composing in any place)	4.OA.A.3 4.NBT.A.4
2.5	Addition: Using the standard algorithm with multi-digit numbers	4.OA.A.3 4.NBT.A.4
2.6	Addition: Using the standard algorithm with multiple addends	4.OA.A.3 4.NBT.A.4
2.7	Addition: Solving word problems	4.OA.A.3
2.8	Multiplication: Doubling and halving three-digit multiples of ten	DA
2.9	Multiplication: Reviewing the fives facts	4.NBT.B.5
2.10	Multiplication: Extending the fives strategy	4.NBT.B.5
2.11	Multiplication: Reviewing the nines strategy	4.NBT.B.5
2.12	Multiplication: Extending the nines strategy	4.NBT.B.5
3.1	Number: Comparing to order six-digit numbers	4.NBT.A.2
3.2	Number: Comparing to order four-, five- and six-digit numbers	4.NBT.A.2
3.3	Number: Rounding six-digit numbers	4.NBT.A.3
3.4	Number: Rounding four-, five-, and six-digit numbers	4.NBT.A.3
3.5	Number: Building a picture of one million	4.NBT.A.2
3.6	Multiplication: Relating multiples and factors	4.OA.B.4
3.7	Multiplication: Finding pairs of factors	4.OA.B.4
3.8	Multiplication: Identifying prime and composite numbers	4.OA.B.4
3.9	Area: Developing a rule to calculate the area of rectangles	4.NBT.B.5 4.MD.A.3
3.10	Perimeter: Developing a rule to calculate the perimeter of rectangles	4.MD.A.3
3.11	Perimeter: Working with rules to calculate the perimeter of rectangles	4.MD.A.3
3.12	Perimeter/area: Solving word problems	4.MD.A.3

Key: DA Developmental Activity

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Lesson	Title	Math Content
4.1	Subtraction: Making estimates	4.OA.A.3 4.NBT.A.3
4.2	Subtraction: Reviewing the standard algorithm (decomposing tens or hundreds)	4.OA.A.3 4.NBT.B.4
4.3	Subtraction: Using the standard algorithm (decomposing in any place)	4.OA.A.3 4.NBT.B.4
4.4	Subtraction: Using the standard algorithm with multi-digit numbers	4.OA.A.3 4.NBT.B.4
4.5	Subtraction: Analyzing decomposition across places involving zero (three-digit numbers)	4.OA.A.3 4.NBT.B.4
4.6	Subtraction: Analyzing decomposition across places involving zero (multi-digit numbers)	4.OA.A.3 4.NBT.B.4
4.7	Addition/subtraction: Solving word problems	4.OA.A.3 4.MD.A.2
4.8	Common fractions: Reviewing concepts	DA
4.9	Common fractions: Reviewing equivalent fractions	4.NF.A.1
4.10	Common fractions: Relating whole numbers	4.NF.B.3 4.NF.B.3c
4.11	Common fractions: Introducing mixed numbers	4.NF.B.3 4.NF.B.3b 4.NF.B.3c
4.12	Common fractions: Exploring equivalence with mixed numbers	4.NF.A.1 4.NF.A.2 4.NF.B.3 4.NF.B.3b 4.NF.B.3c
5.1	Multiplication: Introducing the comparison model	4.OA.A.1 4.OA.A.2 4.NBT.B.5
5.2	Multiplication: Making comparisons involving multiplication and addition (tape diagram)	4.OA.A.1 4.OA.A.2 4.OA.A.3 4.NBT.B.5
5.3	Multiplication: Exploring the relationship between multiplication and division (tape diagram)	4.OA.A.1 4.OA.A.2 4.NBT.B.6
5.4	Multiplication: Making comparisons involving division and subtraction (tape diagram)	4.OA.A.1 4.OA.A.2 4.OA.A.3 4.NBT.B.6
5.5	Multiplication: Using tape diagrams to solve word problems	4.OA.A.2 4.OA.A.3
5.6	Length: Exploring the relationship between meters and centimeters	4.MD.A.1
5.7	Length: Introducing millimeters	4.MD.A.1
5.8	Length: Exploring the relationship between meters, centimeters, and millimeters	4.MD.A.1 4.MD.A.2
5.9	Length: Introducing kilometers	4.MD.A.1
5.10	Mass: Exploring the relationship between kilograms and grams	4.MD.A.1
5.11	Capacity: Exploring the relationship between liters and milliliters	4.MD.A.1
5.12	Length/mass/capacity: Solving word problems involving metric units	4.NF.B.3 4.NF.B.3d 4.MD.A.2
6.1	Multiplication: Reviewing the partial-products strategy (two-digit numbers)	4.NBT.B.5
6.2	Multiplication: Using the partial-products strategy (three-digit numbers)	4.NBT.B.5
6.3	Multiplication: Using the partial-products strategy (four-digit numbers)	4.NBT.B.5
6.4	Multiplication: Using the partial-products strategy (two two-digit numbers)	4.NBT.B.5
6.5	Multiplication: Solving word problems	4.OA.A.3 4.MD.A.2
6.6	Length: Exploring the relationship between feet and inches	4.MD.A.1 4.MD.B.4
6.7	Length: Exploring the relationship between yards, feet, and inches	4.MD.A.1 4.MD.A.2
6.8	Length: Exploring the relationship between miles, yards, and feet	4.MD.A.1
6.9	Angles: Identifying fractions of a full turn	4.MD.C.5
6.10	Angles: Using a protractor	4.MD.C.5 4.MD.C.5a 4.MD.C.5b 4.MD.C.6 4.G.A.1
6.11	Angles: Identifying acute, right, and obtuse	4.MD.C.6 4.G.A.1 4.G.A.2
6.12	Angles: Estimating and calculating	4.MD.C.6 4.MD.C.7

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Lesson	Title	Math Content
7.1	Division: Halving two-digit numbers	4.NBT.B.6
7.2	Division: Halving to divide by four and eight	4.NBT.B.6
7.3	Division: Finding whole number quotients and remainders	4.OA.A.3 4.NBT.B.6
7.4	Division: Solving word problems with remainders	4.OA.A.3 4.MD.A.2
7.5	Common fractions: Adding with same denominators	4.NF.B.3 4.NF.B.3a 4.NF.B.3b
7.6	Common fractions: Adding mixed numbers	4.NF.B.3 4.NF.B.3a 4.NF.B.3b 4.NF.B.3c
7.7	Common fractions: Adding mixed numbers (composing whole numbers)	4.NF.B.3 4.NF.B.3a 4.NF.B.3c
7.8	Common fractions: Subtracting with same denominators	4.NF.B.3 4.NF.B.3a
7.9	Common fractions: Calculating the difference between mixed numbers	4.NF.B.3 4.NF.B.3a 4.NF.B.3c
7.10	Common fractions: Calculating the difference between mixed numbers (decomposing whole numbers)	4.NF.B.3 4.NF.B.3a 4.NF.B.3c
7.11	Common fractions: Solving word problems	4.NF.B.3 4.NF.B.3d 4.MD.A.2
7.12	Common fractions: Interpreting line plots to solve word problems	4.MD.B.4
8.1	Division: Reviewing the relationship between multiplication and division	4.NBT.B.6
8.2	Division: Introducing the partial-quotients strategy (two-digit dividends)	4.NBT.B.6
8.3	Division: Reinforcing the partial-quotients strategy (two-digit dividends)	4.NBT.B.6
8.4	Division: Using the partial-quotients strategy (three-digit dividends)	4.OA.A.3 4.NBT.B.6
8.5	Division: Reinforcing the partial-quotients strategy (three-digit dividends)	4.NBT.B.6
8.6	Division: Using the partial-quotients strategy (four-digit dividends)	4.NBT.B.6
8.7	Division: Reinforcing the partial-quotients strategy (four-digit dividends)	4.NBT.B.6
8.8	Division: Solving word problems	4.OA.A.3 4.MD.A.2
8.9	Common fractions: Exploring the multiplicative nature (area model)	4.NF.B.4 4.NF.B.4a 4.NF.B.4b 4.NF.B.4c 4.MD.A.2
8.10	Common fractions: Exploring the multiplicative nature (number line model)	4.NF.B.4 4.NF.B.4a 4.NF.B.4b 4.NF.B.4c 4.MD.A.2
8.11	Common fractions: Multiplying mixed numbers (without composing)	4.NF.B.4 4.NF.B.4a
8.12	Common fractions: Multiplying mixed numbers (with composing)	4.NF.B.4 4.NF.B.4a 4.NF.B.4c 4.MD.A.2
9.1	Common fractions: Reviewing comparisons with the same numerator or denominator	DA
9.2	Common fractions: Comparing with different numerators and denominators	4.NF.A.2
9.3	Common fractions: Comparing and ordering	4.NF.A.2
9.4	Common fractions: Calculating equivalent fractions	4.NF.A.1
9.5	Common fractions: Comparing with related denominators	4.OA.B.4 4.NF.A.1 4.NF.A.2
9.6	Common fractions: Finding common denominators	4.OA.B.4 4.NF.A.1
9.7	Common fractions: Finding common denominators to make comparisons	4.OA.B.4 4.NF.A.1 4.NF.A.2
9.8	Common fractions: Consolidating comparison strategies	4.NF.A.2
9.9	Mass: Reviewing pounds and introducing ounces	4.MD.A.1 4.MD.A.2
9.10	Mass: Exploring the relationship between pounds and ounces	4.MD.A.1 4.MD.A.2
9.11	Capacity: Reviewing gallons, quarts, and pints, and introducing fluid ounces	4.MD.A.1 4.MD.A.2
9.12	Capacity/mass: Solving word problems involving customary units	4.MD.A.2

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Lesson	Title	Math Content
10.1	Decimal fractions: Introducing decimal fractions	4.NF.C.6
10.2	Decimal fractions: Locating and comparing tenths	4.NF.C.6 4.NF.C.7
10.3	Decimal fractions: Exploring hundredths	4.NF.C.6
10.4	Decimal fractions: Writing hundredths (without teens or zeros)	4.NF.C.6
10.5	Decimal fractions: Writing hundredths (with teens and zeros)	4.NF.C.6
10.6	Decimal fractions: Writing in expanded form	4.NF.C.6
10.7	Decimal fractions: Locating tenths and hundredths on a number line	4.NF.C.6
10.8	Decimal fractions: Comparing and ordering	4.NF.C.7
10.9	Decimal fractions: Adding tenths	4.NF.C.5
10.10	Decimal fractions: Adding hundredths	4.NF.C.5
10.11	Decimal fractions: Adding tenths and hundredths	4.NF.C.5
10.12	Decimal fractions: Solving word problems	4.MD.A.2
11.1	Multiplication: Introducing the standard algorithm with two-digit numbers (regrouping tens)	4.OA.A.3 4.NBT.B.5
11.2	Multiplication: Using the standard algorithm with two-digit numbers (regrouping ones)	4.OA.A.3 4.NBT.B.5
11.3	Multiplication: Using the standard algorithm with two-digit numbers (regrouping tens and ones)	4.OA.A.3 4.NBT.B.5
11.4	Multiplication: Solving word problems involving two-digit numbers	4.OA.A.3 4.MD.A.2
11.5	Multiplication: Using the associative property with two two-digit numbers (double and halve)	4.NBT.B.5
11.6	Multiplication: Using the associative property with two-digit numbers (use factors)	4.OA.B.4 4.NBT.B.5
11.7	Multiplication: Reinforcing the use-factors strategy	4.OA.B.4 4.NBT.B.5
11.8	Multiplication: Solving word problems involving one- and two-digit numbers	4.OA.A.3
11.9	Angles: Exploring points, lines, line segments, and rays	4.MD.C.5 4.G.A.1
11.10	Angles: Identifying parallel and perpendicular lines	4.G.A.1 4.G.A.2
11.11	Transformations: Reflecting shapes	4.G.A.3
11.12	Transformations: Identifying lines of symmetry	4.G.A.3
12.1	Patterns: Working with multiplication and addition patterns	4.OA.C.5
12.2	Patterns: Investigating square numbers	4.OA.C.5
12.3	Patterns: Analyzing number patterns	4.OA.C.5
12.4	Patterns: Analyzing shape patterns	4.OA.C.5
12.5	Time: Reviewing measurement	DA
12.6	Time: Converting between units	4.MD.A.1 4.MD.A.2
12.7	Time: Calculating elapsed time	4.MD.A.1
12.8	Time: Introducing seconds	4.MD.A.1 4.MD.A.2
12.9	Money: Making transactions	DA
12.10	Money: Calculating change (bridging dollars)	DA
12.11	Money: Recording remainders as decimal fractions	4.MD.A.2
12.12	Money: Solving word problems	4.MD.A.2