IXL Skill Plan for the NWEA® MAP™ Growth

Math grades 2-5

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Operations and Algebraic Thinking

RIT Score: 176–182

Standard	IXL skills
Represent and Solve Problems	**Counting and number patterns** 1. Even or odd 54Z **Addition and subtraction with 20** 2. Add one-digit numbers 5C6 3. Add doubles - complete the sentence S46 4. Subtract a one-digit number from a two-digit number up to 18 HSU **Arrays** 5. Identify repeated addition in arrays: sums to 10 F7E 6. Write addition sentences for arrays: sums to 10 Z7N **Addition word problems** 7. Addition word problems - up to two digits XAT 8. Write the addition sentence - up to two digits 5FM **Subtraction word problems** 9. Subtraction word problems - up to two digits UFU 10. Write the subtraction sentence - up to two digits ZQH

RIT Score: 183–188

Standard	IXL skills
Represent and Solve Problems	**Arrays** 1. Identify repeated addition in arrays: sums to 25 EUS 2. Write addition sentences for arrays: sums to 25 W8T

	Word problems 3. Add three numbers up to two digits each: word problems 52T 4. Add four numbers up to two digits each: word problems YSX 5. Addition and subtraction word problems - up to 100 MEP 6. Two-step addition and subtraction word problems - up to 100 7P8
Analyze Patterns and Relationships	1. Related addition facts YDX 2. Related subtraction facts P6Y 3. Fact families NSN

RIT Score: 189–194

Standard	IXL skills
Represent and Solve Problems	**Addition and subtraction** 1. Two-step addition and subtraction word problems CBA 2. Solve for the variable: addition and subtraction only BQT **Multiplication with equal groups** 3. Count equal groups 9K7 4. Identify multiplication expressions for equal groups 9AE 5. Write multiplication sentences for equal groups V98 **Multiplication with arrays** 6. Identify multiplication expressions for arrays HZL 7. Write multiplication sentences for arrays 5FZ 8. Make arrays to model multiplication PPR **Multiplication on number lines** 9. Write multiplication sentences for number lines NTV

Relate addition and multiplication

10. Relate addition and multiplication for equal groups GGC
11. Relate addition and multiplication P74

Multiplication skill builders

12. Multiply by 0 BGK
13. Multiply by 1 CRE
14. Multiply by 2 94M
15. Multiply by 3 38K
16. Multiply by 4 5U6
17. Multiply by 5 Y9E
18. Multiply by 6 SX6
19. Multiply by 7 9PT
20. Multiply by 8 SMR
21. Multiply by 9 SUH
22. Multiply by 10 6YD

Multiplication facts

23. Multiplication tables for 2, 3, 4, 5, and 10 DW5
24. Multiplication tables for 6, 7, 8, and 9 XT7

Division with equal groups

25. Divide by counting equal groups UYK
26. Write division sentences for groups FSX
27. Relate multiplication and division for groups FTU

Division with arrays

28. Write division sentences for arrays 8RW
29. Relate multiplication and division for arrays XSK

Division skill builders

30. Divide by 1 VTL
31. Divide by 2 ANU
32. Divide by 3 PCL
33. Divide by 4 QGT
34. Divide by 5 C9M
35. Divide by 6 97S

	36. Divide by 7 D2F 37. Divide by 8 CVD 38. Divide by 9 RTB 39. Divide by 10 YRG **Division facts** 40. Division facts for 2, 3, 4, 5, and 10 2JB 41. Division facts for 6, 7, 8, and 9 U2C
Analyze Patterns and Relationships	**Addition and subtraction patterns** 1. Addition patterns over increasing place values 5RG 2. Subtraction patterns over increasing place values VKD **Variable equations** 3. Solve for the variable: addition and subtraction only BQT

RIT Score: 195–200

Standard	IXL skills
Represent and Solve Problems	**Multiplication facts up to 10** 1. Multiplication tables up to 10 PNV 2. Multiplication facts up to 10: true or false? 3K8 3. Multiplication facts up to 10: sorting SUJ 4. Multiplication facts up to 10: find the missing factor FZA 5. Multiplication facts up to 10: select the missing factors WZA 6. Multiplication sentences up to 10: true or false? MTU 7. Squares up to 10 x 10 GMM 8. Multiplication input/output tables 8CM **Division facts up to 10** 9. Division facts up to 10 M8T 10. Division facts up to 10: true or false? MPV 11. Division facts up to 10: sorting CYJ 12. Division facts up to 10: find the missing number HE7

13. Division facts up to 10: select the missing numbers FPA
14. Division sentences up to 10: true or false? GMU
15. Division input/output tables RK9

Multiplication and division

16. Multiplication and division facts up to 5: true or false? 6HS
17. Multiplication and division facts up to 10: true or false? WQT

One-step word problems

18. Multiplication word problems 9TA
19. Multiplication word problems: find the missing factor F6C
20. Division word problems ECS
21. Multiplication and division word problems 85K
22. Addition, subtraction, multiplication, and division word problems X8W

Two-step word problems

23. Two-step multiplication and division word problems 8FP
24. Two-step mixed operation word problems SRL
25. Two-step word problems: identify reasonable answers V5A

Properties of multiplication

26. Properties of multiplication MPE
27. Distributive property: find the missing factor 7VP
28. Multiply using the distributive property 6W7
29. Solve using properties of multiplication YPF

Variable equations

30. Write variable equations to represent word problems: multiplication and division only ZNN
31. Write variable equations to represent word problems U6P

Standard	IXL skills
Analyze Patterns and Relationships	**Multiplication and division patterns** 1. Multiplication input/output tables: find the rule D5U 2. Division input/output tables: find the rule 4Z8 **Order of operations** 3. Perform multiple operations with whole numbers UKB **Variable equations** 4. Solve for the variable D65

RIT Score: 201–205

Standard	IXL skills
Represent and Solve Problems	**Comparison** 1. Compare numbers using multiplication GGE 2. Compare numbers using multiplication: word problems QKB 3. Comparison word problems: addition or multiplication? YCW **Multiplication** 4. Multiply 1-digit numbers by 2-digit numbers: word problems UR9 5. Multiply 1-digit numbers by 3-digit or 4-digit numbers: word problems AQ6
Analyze Patterns and Relationships	**Prime or composite** 1. Prime and composite: up to 20 TNF **Factors and multiples** 2. Choose the multiples of a given number up to 10 EFB 3. Identify factors 2S9 4. Find all the factor pairs of a number URL **Patterns** 5. Shape patterns NVV 6. Make a repeating pattern V68

RIT Score: 206–210

Standard	IXL skills
Represent and Solve Problems	**Multiplication** 1. Estimate products word problems: identify reasonable answers KLA **Division** 2. Divide 2-digit numbers by 1-digit numbers: interpret remainders 5WV 3. Divide larger numbers by 1-digit numbers: interpret remainders J8D **Mixed operations** 4. Multi-step word problems EA9 5. Multi-step word problems involving remainders SLS 6. Multi-step word problems: identify reasonable answers K6X 7. Multi-step word problems involving subtraction 68Y 8. Multi-step word problems with strip diagrams CZQ
Analyze Patterns and Relationships	**Prime or composite** 1. Prime and composite: up to 100 L9R **Patterns** 2. Use a rule to complete a number pattern 5P2 3. What is true about the given pattern? C9H 4. What is true about the pattern made by the rule? 35J 5. Identify mistakes in number patterns PFV

RIT Score: 211–214

Standard	IXL skills
Represent and Solve Problems	1. Write numerical expressions: one operation SCJ 2. Write numerical expressions: two operations 8ME

Analyze Patterns and Relationships	1. Complete a table from a graph 2WL

RIT Score: 215–217

Standard	IXL skills
Represent and Solve Problems	1. Evaluate numerical expressions Z5N 2. Evaluate numerical expressions with parentheses HGW 3. Identify mistakes involving the order of operations JLJ
Analyze Patterns and Relationships	1. Complete a table for a two-variable relationship NEK 2. Graph a two-variable relationship QEH 3. Compare patterns XPM

RIT Score: 218–219

Standard	IXL skills
Represent and Solve Problems	**Write variable expressions** 1. Write variable expressions: one operation F5B 2. Write variable expressions: two operations CX9 3. Write variable expressions: word problems 6LQ **Order of operations** 4. Evaluate numerical expressions involving whole numbers MLU 5. Evaluate numerical expressions involving decimals YEE 6. Evaluate numerical expressions involving fractions WNE 7. Identify mistakes involving the order of operations V46 8. Evaluate numerical expressions one step at a time XCQ **Properties of operations** 9. Write equivalent expressions using properties R8H 10. Multiply using the distributive property 2HH

11. Factor variable expressions using the distributive property PGZ
12. Multiply using the distributive property: area models 7XM

Analyze Patterns and Relationships

Independent and dependent variables

1. Identify independent and dependent variables: word problems 9UJ
2. Identify independent and dependent variables in tables and graphs YFW

Factors and multiples

3. Identify factors BGJ
4. Greatest common factor AMB
5. Least common multiple NGA
6. Find all the factor pairs of a number VTM
7. GCF and LCM: word problems ZB8

Equivalent ratios

8. Identify equivalent ratios 2LM
9. Write an equivalent ratio NEA
10. Equivalent ratios: word problems RLZ
11. Ratio tables PPF

Ratios and rates

12. Ratios and rates: complete a table and make a graph 6Z2
13. Ratios and rates: word problems ZB9
14. Unit rates JSZ
15. Compare rates: word problems NAF

Unit prices

16. Unit prices UKD
17. Unit prices with fractions and decimals 9NF

RIT Score: 220+

Standard	IXL skills
Represent and Solve Problems	**Evaluate variable expressions** 1. Evaluate variable expressions with whole numbers Q8Z 2. Evaluate multi-variable expressions HC9 3. Evaluate variable expressions with decimals, fractions, and mixed numbers 49T 4. Evaluate variable expressions: word problems 7XA **Solutions to equations and inequalities** 5. Solutions to inequalities P9N 6. Does x satisfy an equation? VMB 7. Which x satisfies an equation? VG8 **Solve equations** 8. Model and solve equations using algebra tiles G6Z 9. Write and solve equations that represent diagrams FSQ 10. Solve one-step equations with whole numbers WLR 11. Solve one-step multiplication and division equations with decimals and fractions T53 12. Solve one-step addition and subtraction equations with decimals and fractions 5D2 **Equation word problems** 13. Solve one-step equations: word problems BXY 14. Write a one-step equation: word problems YVX **Graph and write inequalities** 15. Graph inequalities on number lines CXX 16. Write inequalities from number lines N99 **Solve and graph one-step inequalities** 17. Solve and graph one-step addition and subtraction inequalities DW6

18. Solve and graph one-step multiplication and division inequalities with positive numbers LTV
19. Solve and graph one-step multiplication and division inequalities with rational numbers KSK

Inequalities word problems

20. One-step inequalities: word problems N2A
21. Write and graph inequalities: word problems AGB

Analyze Patterns and Relationships

Find values

1. Find a value using two-variable equations 46Q
2. Find a value using two-variable equations: word problems XRJ
3. Complete a table for a two-variable relationship TZB

Make and interpret graphs

4. Identify the graph of an equation WN7
5. Graph a two-variable equation TJA
6. Interpret a graph: word problems KZD
7. Complete a table and graph a two-variable equation EY5

Write equations

8. Solve word problems by finding two-variable equations UJQ
9. Write a two-variable equation 2RE
10. Write an equation from a graph using a table BCM
11. Write a two-variable equation from a table ZTL

Number and Operations

RIT Score: 176–182

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	**Skip-counting** 1. Count forward and backward by fives and tens 8JK 2. Skip-counting by fives and tens FVF **Number names** 3. Spell word names for numbers up to 20 QBX 4. Writing numbers up to 100 in words - convert words to digits 2FT 5. Writing numbers up to 100 in words - convert digits to words VPG **Place value** 6. Place value models - up to hundreds PBX 7. Identify a digit up to the hundreds place 45U 8. Place value - up to hundreds BDF 9. Convert to/from a number - up to hundreds HUX
Number and Operations in Base Ten	**Place value strategies** 1. Add zero YEY 2. Add multiples of 10 NPQ 3. Subtract multiples of 10 2Q6 **Addition** 4. Add two-digit numbers without regrouping - sums to 100 TX5 5. Add two-digit numbers with regrouping - sums to 100 GLX 6. Ways to make a number using addition S5E 7. Add three numbers up to two digits each YTH **Subtraction** 8. Subtract a one-digit number from a two-digit number - without regrouping L8D

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9. Subtract a one-digit number from a two-digit number - with regrouping P85
10. Subtract two two-digit numbers - without regrouping R8C
11. Subtract two two-digit numbers - with regrouping TWE
12. Ways to make a number using subtraction DTN

RIT Score: 183–188

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	**Count up to 1,000** 1. Count forward - up to 1,000 88P 2. Count forward by tens - up to 1,000 B86 **Compare numbers** 3. Comparing numbers up to 1,000 XF9 **Number names** 4. Writing numbers up to 1,000 in words - convert words to digits JKD 5. Writing numbers up to 1,000 in words - convert digits to words VPQ **Place value** 6. Convert from expanded form - up to hundreds LG5 7. Convert between place values - ones and hundreds 9T6
Number and Operations in Base Ten	**Place value strategies** 1. Add multiples of 100 85Z 2. Add multiples of 10 or 100 RCJ 3. Subtract multiples of 100 2E2 4. Subtract multiples of 10 or 100 VVM **Addition with two-digit numbers** 5. Use compensation to add - up to two digits SCF 6. Add two-digit numbers - sums to 200 GZY 7. Add four numbers up to two digits each DP6

Addition with three-digit numbers

8. Use models to add three-digit numbers - without regrouping Q7V
9. Use compensation to add - up to three digits 89B
10. Use models to add three-digit numbers - with regrouping KUG
11. Addition with three-digit numbers ETW

Subtraction with three-digit numbers

12. Subtract three-digit numbers ZVR
13. Subtract across zeros 9G5

Mixed operations

14. Add and subtract numbers up to 100 JDT
15. Which sign (+ or -) makes the number sentence true? K7X
16. Add and subtract numbers up to 1,000 WXQ

RIT Score: 189–194

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	1. Rounding: nearest ten or hundred Q65 2. Round using a number line: nearest ten or hundred 6ST
Number and Operations in Base Ten	**Addition** 1. Addition input/output tables: up to three digits MUE 2. Add three numbers up to three digits each GSY 3. Addition up to three digits: fill in the missing digits LYB 4. Use compensation to add: up to three digits H7K **Subtraction** 5. Subtract numbers up to three digits EHT 6. Subtraction input/output tables: up to three digits J9S 7. Subtract across zeros 93U

	Multiplication 8. Multiply by 10 6YD
Number and Operations - Fractions	**Understand fractions** 1. Understand fractions: fraction bars 6JL 2. Understand fractions: area models RTW **Show fractions** 3. Show fractions: fraction bars ZPW 4. Show fractions: area models NLE **Match fractions and models** 5. Match fractions to models: halves, thirds, and fourths Y55 6. Match unit fractions to models CPK 7. Match fractions to models YHL **Number lines** 8. Fractions of number lines: unit fractions TBX 9. Fractions of number lines J8M 10. Identify unit fractions on number lines JVC 11. Identify fractions on number lines AWH 12. Graph unit fractions on number lines CBW 13. Graph fractions on number lines 7QM **Word problems** 14. Unit fractions: modeling word problems UV8 15. Unit fractions: word problems HM7 16. Fractions of a whole: modeling word problems 9PU 17. Fractions of a whole: word problems BV7

RIT Score: 195–200

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	1. Rounding: nearest ten or hundred Q65
Number and Operations in Base Ten	**Addition and subtraction** 1. Complete the addition sentence: up to three digits D69

2. Balance addition equations: up to three digits 7PE
3. Complete the subtraction sentence: up to three digits MD8
4. Balance subtraction equations: up to three digits 8VK

Multiplication

5. Multiply by a multiple of ten MS6

Properties of operations

6. Properties of addition NY2
7. Complete the equation using properties of addition CGS
8. Add using properties KYA

Number and Operations - Fractions

Model equivalent fractions

1. Find equivalent fractions using area models: one model 6DY
2. Find equivalent fractions using area models: two models ZJ2
3. Identify equivalent fractions on number lines HYM
4. Find equivalent fractions using number lines JL8
5. Graph equivalent fractions on number lines WPQ

Equivalent fractions

6. Identify equivalent fractions 7DA
7. Find equivalent fractions WMX
8. Find equivalent fractions with denominators of 10 and 100 RB2
9. Write fractions in lowest terms YM2

Fractions equivalent to whole numbers

10. Select fractions equivalent to whole numbers using area models GKZ
11. Graph fractions equivalent to 1 on number lines 7BL
12. Find fractions equivalent to whole numbers KCE

Compare using area models

13. Compare fractions using models MJ2

Compare using number lines

14. Graph smaller or larger fractions on a number line 2PH
15. Compare fractions using number lines 38T
16. Graph and compare fractions with like denominators on number lines 63U
17. Graph and compare fractions with like numerators on number lines ZPD
18. Graph and compare fractions on number lines 6H5

Compare fractions

19. Compare fractions 78D
20. Compare fractions in recipes 9BK

RIT Score: 201–205

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	**Place value** 1. Convert between standard and expanded form M5V 2. Relationship between place values KFD 3. Value of a digit WLP 4. Place value models 2Y7 5. Place value review B5N 6. Place value word problems Z47 **Number names up to 100,000** 7. Writing numbers up to 100,000 in words: convert words to digits SQQ 8. Writing numbers up to 100,000 in words: convert digits to words 2RZ **Number names up to one million** 9. Writing numbers up to one million in words: convert words to digits 5G4 10. Writing numbers up to one million in words: convert digits to words 7WT 11. Spell word names for numbers up to one million 2PZ

Rounding

12. Rounding: up to millions place E6V
13. Rounding input/output tables CT2

Compare numbers

14. Compare numbers up to one hundred thousand DP2
15. Compare numbers up to one million 6Y2

Number and Operations in Base Ten

Addition

1. Add two numbers up to five digits RG2
2. Properties of addition D9R
3. Choose numbers with a particular sum P5U

Subtraction

4. Subtract numbers up to five digits VP2
5. Choose numbers with a particular difference XEV

Multiplication

6. Multiply 1-digit numbers by 2-digit numbers GDW
7. Multiply 1-digit numbers by 3-digit or 4-digit numbers using area models I RP9
8. Multiply 1-digit numbers by 3-digit or 4-digit numbers using area models II WKL
9. Multiply 1-digit numbers by 3-digit or 4-digit numbers using expanded form SEG
10. Multiply 1-digit numbers by 3-digit or 4-digit numbers PPM
11. Use one multiplication fact to complete another W6D

Properties of multiplication

12. Properties of multiplication B6N
13. Distributive property: find the missing factor US7
14. Multiply using the distributive property LXG

Division

15. Divide 2-digit numbers by 1-digit numbers using arrays M49

16. Divide 2-digit numbers by 1-digit numbers using area models 7LG
17. Divide 3-digit numbers by 1-digit numbers using area models 6UL

Mixed operations

18. Mentally add and subtract numbers ending in zeroes WEG
19. Comparison word problems with addition and subtraction RJJ

Number and Operations - Fractions

Equivalent fractions

1. Equivalent fractions: find the missing numerator or denominator 7CY
2. Find equivalent fractions using area models HYC
3. Graph equivalent fractions on number lines WQL

Compare fractions

4. Compare fractions using models 7XF
5. Compare fractions using benchmarks: find the missing numerator UKZ
6. Compare fractions: find the missing numerator or denominator KPU
7. Compare fractions 99U
8. Compare fractions in recipes U2K

Decompose fractions

9. Decompose fractions into unit fractions XHG
10. Decompose fractions multiple ways UEW
11. Decompose fractions into unit fractions using models QG2

Add fractions

12. Add fractions with like denominators using strip models Z63
13. Add fractions with like denominators using area models Y5W
14. Add fractions with like denominators using number lines 6QH
15. Add fractions with like denominators PDU
16. Add fractions: denominators 10 and 100 9RJ

Subtract fractions

17. Subtract fractions with like denominators using strip models QAS
18. Subtract fractions with like denominators using area models P99
19. Subtract fractions with like denominators using number lines MJX
20. Subtract fractions with like denominators AVF

Add and subtract fractions and mixed numbers

21. Add and subtract fractions with like denominators using number lines GAK
22. Add and subtract fractions with like denominators in recipes LYR
23. Add and subtract mixed numbers with like denominators: word problems 6KM

RIT Score: 206–210

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	**Sums** 1. Estimate sums VMD 2. Estimate sums: word problems SB9 **Differences** 3. Estimate differences QJY 4. Estimate differences: word problems GWS **Products** 5. Estimate products: multiply by 1-digit numbers WDG **Quotients** 6. Divide by 1-digit numbers: pick the better estimate 2FS
Number and Operations in Base Ten	**Multiply 2-digit numbers using models** 1. Multiply 2-digit numbers by 2-digit numbers using area models I ASZ 2. Multiply 2-digit numbers by 2-digit numbers using area models II 8K7

Multiply 2-digit numbers

3. Multiply a 2-digit number by a 2-digit number: complete the missing steps XQ8
4. Multiply a 2-digit number by a 2-digit number MLC
5. Multiply 2-digit numbers by 2-digit numbers using partial products XLZ
6. Use one multiplication fact to complete another W6D

Multiplication strategies

7. Multiplication patterns over increasing place values Y5K
8. Multiply by 10 or 100 M2N

Divide 2-digit numbers

9. Divide 2-digit numbers by 1-digit numbers 4T7
10. Divide 2-digit numbers by 1-digit numbers: complete the table UFM
11. Divide 2-digit numbers by 1-digit numbers using arrays M49
12. Divide 2-digit numbers by 1-digit numbers using area models 7LG
13. Choose numbers with a particular quotient MYU

Divide larger numbers

14. Divide larger numbers by 1-digit numbers GE8
15. Divide larger numbers by 1-digit numbers: complete the table 2UB
16. Divide 3-digit numbers by 1-digit numbers using area models 6UL

Division strategies

17. Divide using the distributive property GDX
18. Divide using partial quotients YQL
19. Division patterns over increasing place values Z5Y

Number and Operations - Fractions

Add decimal fractions

1. Identify fraction expressions with a particular sum: denominators of 10 and 100 TZH

Multiply unit fractions by whole numbers

2. Multiply unit fractions by whole numbers using number lines XKJ
3. Multiply unit fractions by whole numbers using models 8J3
4. Multiply unit fractions by whole numbers: sorting VGC
5. Multiply unit fractions by whole numbers: word problems DSB

Multiply fractions by whole numbers

6. Multiply fractions by whole numbers using models: complete the equation CZ7
7. Multiply fractions by whole numbers using number lines Q7B
8. Multiply fractions by whole numbers: sorting X48
9. Multiples of fractions: find the missing numbers RSY
10. Multiply fractions by whole numbers: word problems LX8

Multiply fractions and mixed numbers

11. Multiply fractions and mixed numbers by whole numbers in recipes 7B3

Convert decimals, fractions, and mixed numbers

12. Graph fractions as decimals on number lines 2N9
13. Convert fractions and mixed numbers to decimals - denominators of 10 and 100 6P7
14. Convert decimals to fractions and mixed numbers DBF

Compare decimals and fractions

15. Compare decimals using models CV7
16. Compare decimals on number lines T2W
17. Compare decimal numbers DY5
18. Compare decimals and fractions on number lines 8YG
19. Compare decimals and fractions TB7

RIT Score: 211–214

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	**Whole number place value** 1. Convert between standard and expanded form HU7 2. Place value 83P **Decimal place value** 3. What decimal number is illustrated? CTP 4. Place values in decimal numbers X8U 5. Convert decimals between standard and expanded form WTU 6. Convert decimals between standard and expanded form using fractions BLQ **Compare decimals** 7. Compare decimals on number lines CUF 8. Compare decimals using grids QTG 9. Compare decimal numbers NSG **Estimate and round** 10. Round decimals MPB 11. Estimate sums and differences of decimals using rounding YGG
Number and Operations in Base Ten	**Multiply by 2-digit numbers** 1. Multiply by 2-digit numbers: complete the missing steps 9LX 2. Multiply 2-digit numbers by 2-digit numbers LLJ 3. Multiply 2-digit numbers by 3-digit numbers JHB 4. Multiply 2-digit numbers by larger numbers 9VQ **Multiply by 3-digit numbers** 5. Multiply by 3-digit numbers NSP **Multiply three or more numbers** 6. Multiply three or more numbers up to 2 digits each CKE 7. Multiply three numbers up to 3 digits each 7JG

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Divide by 2-digit numbers

8. Divide 2-digit and 3-digit numbers by 2-digit numbers HMA
9. Divide 4-digit numbers by 2-digit numbers 35K
10. Choose numbers with a particular quotient FBX

Division strategies

11. Relate multiplication and division VA6
12. Divide by 2-digit numbers using models AJA
13. Divide by 2-digit numbers using partial quotients ASM

Add and subtract decimals

14. Add decimal numbers using blocks NWJ
15. Add and subtract decimal numbers 7VJ
16. Add and subtract money amounts A8R

Number and Operations - Fractions

Add fractions

1. Add fractions with unlike denominators using models 2BS
2. Add up to 4 fractions with denominators of 10 and 100 45T
3. Add fractions with unlike denominators D9N
4. Add 3 or more fractions with unlike denominators PBF
5. Add 3 or more fractions: word problems BFQ

Subtract fractions

6. Subtract fractions with unlike denominators using models QA6
7. Subtract fractions with unlike denominators VSP

Add and subtract fractions

8. Add and subtract fractions with like denominators: word problems 7YQ
9. Add and subtract fractions with unlike denominators: word problems TCD
10. Estimate sums and differences of fractions using benchmarks 9JR
11. Complete addition and subtraction sentences with fractions FCA

Add and subtract mixed numbers

12. Add mixed numbers with unlike denominators FHD
13. Subtract mixed numbers with unlike denominators FAA
14. Add and subtract mixed numbers: word problems 6BH
15. Add and subtract fractions in recipes W9K
16. Complete addition and subtraction sentences with mixed numbers PSP

Multiply fractions by whole numbers

17. Fractions of a number I AHX
18. Fractions of a number: word problems LPC
19. Fractions of a number II 8DG

RIT Score: 215–217

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	**Exponents and powers of ten** 1. Write powers of ten with exponents KGQ 2. Understanding powers of ten 8HS 3. Evaluate powers of ten XTY **Multiply by powers of ten** 4. Multiply a decimal by a power of ten DN2 5. Multiply by a power of ten with decimals: find the missing number GC5 6. Multiply a whole number by a power of ten: with exponents 92K 7. Multiply a decimal by a power of ten: with exponents 5KC 8. Multiply by 0.1 or 0.01 85W **Divide by powers of ten** 9. Divide by powers of ten H2N 10. Decimal division patterns over increasing place values GBS 11. Divide by a power of ten with decimals: find the missing number R2P 12. Divide by a power of ten: with exponents CL2

13. Divide by 0.1 or 0.01 WD7

Multiply and divide by powers of ten

14. Multiply and divide by a power of ten: with exponents FXQ

Number and Operations in Base Ten

Multiply decimals and whole numbers

1. Multiply a decimal by a one-digit whole number using the distributive property 9BA
2. Multiply a decimal by a one-digit whole number using blocks U5Q
3. Multiply a decimal by a one-digit whole number XNY
4. Multiply a decimal by a two-digit whole number using area models VNT
5. Multiply a decimal by a multi-digit whole number PGM
6. Multiply three or more numbers, one of which is a decimal ZNW

Multiply two decimals

7. Complete the decimal multiplication sentence using grids R9T
8. Multiply two decimals: products up to hundredths FLL
9. Multiply two decimals: products up to thousandths TDG
10. Multiply two decimals: where does the decimal point go? 6FA
11. Multiply decimals using grids 66Z

Divide decimals

12. Division with decimal quotients J9Z
13. Division with decimal quotients and rounding M9X
14. Divide by decimals 8FT
15. Divide decimals using area models: complete the equation U6C
16. Divide decimals using blocks: complete the equation DDK
17. Divide by decimals without adding zeroes RTS

Number and Operations - Fractions

Understand fractions as division

1. Understand fractions as division: word problems CTD
2. Relate division and fractions D86

Multiply two fractions

3. Multiply two unit fractions using models HDJ
4. Multiply two fractions using models: fill in the missing factor AT7
5. Multiply two fractions using models UAY
6. Multiply two fractions 8KV
7. Multiply two fractions: word problems 38Y

Scale by fractions

8. Scaling whole numbers by fractions QH2
9. Scaling fractions by fractions 9RF
10. Scaling whole numbers by fractions: justify your answer Q7M
11. Scaling mixed numbers by fractions S6B

Multiply mixed numbers

12. Multiply a mixed number by a whole number 6Q4
13. Multiply a mixed number by a fraction G7W
14. Multiply two mixed numbers P73
15. Multiplication with mixed numbers: word problems 5W6
16. Multiply fractions and mixed numbers in recipes QHN

Area

17. Understand fraction multiplication and area NFK
18. Multiply fractions to find area SEZ
19. Area of squares and rectangles with fractions PMV

Divide fractions

20. Divide unit fractions by whole numbers GXY
21. Divide whole numbers by unit fractions using models VDU

22. Divide unit fractions and whole numbers using area models A7W
23. Divide whole numbers by unit fractions 3L9
24. Divide fractions by whole numbers FKT
25. Divide unit fractions and whole numbers: word problems G2N

RIT Score: 218–219

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	**Number lines** 1. Decimal number lines AXN 2. Integers on number lines K6J 3. Graph integers on horizontal and vertical number lines 36C 4. Rational numbers on number lines DJE **Compare and order rational numbers** 5. Compare rational numbers KS2 6. Put rational numbers in order 5AX 7. Compare temperatures above and below zero UVD 8. Compare and order rational numbers: word problems ETK 9. Compare and order rational numbers using number lines FMS
Number and Operations in Base Ten	**Divide whole numbers** 1. Divide whole numbers - 2-digit divisors FL2 2. Divide whole numbers - 3-digit divisors STW **Add and subtract decimals** 3. Add and subtract decimal numbers 79J 4. Add and subtract decimals: word problems 97T 5. Maps with decimal distances J7D 6. Complete the decimal addition or subtraction sentence QRH **Multiply and divide decimals** 7. Multiply decimals 2WT 8. Divide decimals by whole numbers NLL

	9. Divide decimals by whole numbers: word problems TWZ 10. Multiply and divide decimals by powers of ten KNH 11. Division with decimal quotients BFR **Mixed operations** 12. Add, subtract, multiply, or divide two decimals P6W 13. Add, subtract, multiply, or divide two decimals: word problems 8HT
Number and Operations - Fractions	1. Reciprocals 5BT 2. Divide fractions DS2 3. Divide fractions and mixed numbers N2B

RIT Score: 220+

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	1. Write powers of ten with exponents DLL
Number and Operations in Base Ten	**Write expressions** 1. Write multiplication expressions using exponents TY5 **Evaluate expressions** 2. Evaluate exponents XDA 3. Find the missing exponent or base HC5 4. Exponents with decimal bases D5D 5. Exponents with fractional bases GEQ
Number and Operations - Fractions	1. Divide fractions by whole numbers in recipes ENK 2. Divide fractions and mixed numbers: word problems WAH

Measurement and Data

RIT Score: 176–182

Standard	IXL skills
Geometric Measurement and Problem Solving	**Number lines** 1. Addition sentences using number lines - sums up to 20 FXF 2. Subtraction sentences using number lines - up to 20 GUZ **Money** 3. Count money - up to $1 DGK 4. Count money - up to $5 3R8 5. Equivalent amounts of money - up to $1 MGA 6. Exchanging money - with pictures VZD 7. Comparing groups of coins FVT **Time** 8. Match analog and digital clocks HKL 9. Read clocks and write times K7F 10. A.M. or P.M. EJV **Customary units** 11. Measure using an inch ruler 88A 12. Which customary unit of length is appropriate: inches, feet, or yards? GKJ 13. Which customary unit of length is appropriate: inches or feet? 5XG **Metric units** 14. Measure using a centimeter ruler 7WA 15. Which metric unit of length is appropriate? SKH
Represent and Interpret Data	1. Interpret bar graphs II 8CH 2. Which bar graph is correct? BMG 3. Interpret pictographs I QDT

RIT Score: 183–188

Standard	IXL skills
Geometric Measurement and Problem Solving	**Add and subtract money** 1. Add money - up to $1 6X3 2. Add money - up to $1: word problems ZWJ 3. Subtract money - up to $1 WH5 4. Subtract money - up to $1: word problems ME9 5. Add and subtract money - up to $1 LYC 6. Add and subtract money - up to $1: word problems N5Y **Comparisons with money** 7. Purchases - do you have enough money - up to $1 F62 8. Purchases - do you have enough money - up to $5 W79 9. Which picture shows more - up to $5 39E **Ways to make an amount** 10. Least number of coins QAP 11. How much more to make a dollar? V9L **Make change** 12. Correct amount of change LQ7 13. Making change LYP **Measurement** 14. Customary units of length: word problems GSF 15. Metric units of length: word problems KJ5
Represent and Interpret Data	1. Create line plots F2U 2. Create pictographs I NM5 3. Create bar graphs 6KD

RIT Score: 189–194

Standard	IXL skills
Geometric Measurement and Problem Solving	**Multiplication using area models** 1. Multiply one-digit numbers by two-digit numbers using area models I V9Q 2. Multiply one-digit numbers by two-digit numbers using area models II QXM 3. Multiply one-digit numbers by three-digit numbers using area models I KLZ 4. Multiply one-digit numbers by three-digit numbers using area models II HQP **Time** 5. Match clocks and times LPT 6. Match analog and digital clocks L5U 7. Elapsed time: find the end time U7B 8. Elapsed time word problems: find the elapsed time V9D **Measurement** 9. Which metric unit of weight is appropriate? PTF **Perimeter** 10. Perimeter of rectangles ZJT 11. Perimeter of rectilinear shapes 65Z 12. Perimeter of polygons LLY 13. Perimeter: find the missing side length T2V 14. Perimeter: word problems CLD **Area** 15. Select figures with a given area XR6 16. Create rectangles with a given area V73 17. Find the area of figures made of unit squares FLQ 18. Tile a rectangle and find the area EKK 19. Multiply to find the area of a rectangle made of unit squares S7G

Represent and Interpret Data	1. Create bar graphs RPF 2. Create pictographs AVG

RIT Score: 195–200

Standard	IXL skills
Geometric Measurement and Problem Solving	**Time** 1. Elapsed time: word problems VCC 2. Find start and end times: multi-step word problems ZQP **Measurement** 3. Measurement word problems VPW **Area of rectangles and squares** 4. Find the area of rectangles and squares 8KJ 5. Find the area of rectangles: word problems 5HA **Area of complex figures** 6. Find the area of complex figures SGP 7. Find the areas of complex figures by dividing them into rectangles DVB **Relationship between area and perimeter** 8. Relationship between area and perimeter: find the perimeter ZWF 9. Relationship between area and perimeter: find the area KNR
Represent and Interpret Data	1. Use bar graphs to solve problems BCJ

RIT Score: 201–205

Standard	IXL skills
Geometric Measurement and Problem Solving	**Customary units** 1. Which customary unit is appropriate? YYA 2. Compare and convert customary units of length A89 3. Compare and convert customary units of weight LJV

	4. Compare and convert customary units of volume GAA 5. Compare and convert customary units DRM 6. Conversion tables - customary units LSP 7. Convert mixed customary units U95 **Metric units** 8. Which metric unit is appropriate? FPM 9. Compare and convert metric units of length GZM 10. Compare and convert metric units of weight 7RC 11. Compare and convert metric units of volume FHV 12. Compare and convert metric units UL5 13. Conversion tables - metric units YTJ 14. Convert mixed metric units YP2 **Measurement** 15. Measurement word problems 2PY 16. Measurement word problems with fractions UST 17. Compare customary units by multiplying 8U7 **Time** 18. Convert time units VNU 19. Fractions of time units M9F
Represent and Interpret Data	1. Interpret line plots G8K 2. Create line plots GNT

RIT Score: 206–210

Standard	IXL skills
Geometric Measurement and Problem Solving	**Multiplication using area models** 1. Multiply 2-digit numbers by 2-digit numbers using area models I ASZ 2. Multiply 2-digit numbers by 2-digit numbers using area models II 8K7

Angles

3. Angles of 90, 180, 270, and 360 degrees UQV
4. Measure angles on a circle RK8
5. Measure angles with a protractor NCN
6. Estimate angle measurements LUJ

Adjacent angles

7. Adjacent angles VJY
8. Angle measures: word problems YUA

Area

9. Find the area or missing side length of a rectangle 9E6
10. Area between two rectangles GY2
11. Area: word problems JW7

Perimeter

12. Find the perimeter of rectangles using formulas KGJ
13. Perimeter: word problems GBE

Area and perimeter

14. Relationship between area and perimeter SKK
15. Area and perimeter: word problems LTP

Represent and Interpret Data	1. Create and interpret line plots with fractions QQB

RIT Score: 211–214

Standard	IXL skills
Geometric Measurement and Problem Solving	**Customary units** 1. Compare and convert customary units of length 7E8 2. Compare and convert customary units of weight XST 3. Compare and convert customary units of volume 96B 4. Compare and convert customary units 8DZ 5. Conversion tables - customary units 7HU

	Metric units 6. Compare and convert metric units of length 8MZ 7. Compare and convert metric units of weight TM9 8. Compare and convert metric units of volume 27C 9. Compare and convert metric units PJL 10. Convert metric units involving decimals 2Q8 11. Conversion tables - metric units 7QS
Represent and Interpret Data	1. Create and interpret line plots with fractions XBS

RIT Score: 215–217

Standard	IXL skills
Geometric Measurement and Problem Solving	**Customary units** 1. Compare customary units by multiplying WU8 2. Convert customary units involving fractions WCM 3. Convert mixed customary units E8E 4. Add and subtract mixed customary units DJC **Metric units** 5. Convert metric mixed units LCG 6. Add and subtract metric mixed units 6LL **Multi-step word problems** 7. Multi-step problems with customary unit conversions MJ9 8. Multi-step problems with metric unit conversions X5T 9. Multi-step problems with customary or metric unit conversions ST6 **Area and perimeter** 10. Area of squares and rectangles E6B 11. Area and perimeter: word problems MHV

	Volume 12. Volume of rectangular prisms made of unit cubes WG8 13. Volume of irregular figures made of unit cubes WCE 14. Volume of cubes and rectangular prisms TFL 15. Volume of cubes and rectangular prisms: word problems NR6 16. Compare volumes and dimensions of rectangular prisms: word problems JP6 17. Volume of compound figures J83
Represent and Interpret Data	1. Create and interpret line plots with fractions XBS

RIT Score: 218–219

Standard	IXL skills
Geometric Measurement and Problem Solving	**Triangles** 1. Area of triangles C8S **Quadrilaterals** 2. Area of quadrilaterals 27F 3. Area of rhombuses 2QG 4. Area of parallelograms Y8K 5. Area of trapezoids PKW
Represent and Interpret Data	1. Create histograms 7NG 2. Create line plots 5HD

RIT Score: 220+

Standard	IXL skills
Geometric Measurement and Problem Solving	**Area** 1. Area of compound figures 76U 2. Area of compound figures with triangles 5V2 **Volume** 3. Volume of cubes and rectangular prisms XHF

4. Volume of cubes and rectangular prisms with fractional side lengths BQK
5. Volume of cubes and rectangular prisms: word problems BBM

Surface area

6. Surface area of cubes and rectangular prisms RMG
7. Surface area of triangular prisms UGR
8. Surface area of pyramids 5XW

Represent and Interpret Data	1. Box plots E9F

Geometry

RIT Score: 176–182

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	1. Name the two-dimensional shape 2FK 2. Select two-dimensional shapes DWL 3. Count sides and vertices EAQ 4. Compare sides and vertices G9N

RIT Score: 183–188

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	**Three-dimensional shapes** 1. Count vertices, edges, and faces X72 2. Compare vertices, edges, and faces DPT 3. Cubes K6N 4. Identify faces of three-dimensional shapes QSR 5. Identify shapes traced from solids MRD **Identify halves, thirds, and fourths** 6. Identify halves EZ2 7. Identify thirds EMA 8. Identify fourths V5Q **Show fractions** 9. Make halves, thirds, and fourths QD2 10. Make halves, thirds, and fourths in different ways 6SG

RIT Score: 189–194

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	1. Make halves, thirds, and fourths HGP 2. Make sixths and eighths KTM 3. Make halves, thirds, fourths, sixths, and eighths JHE

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RIT Score: 195–200

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	1. Identify equal parts FHY 2. Match unit fractions to models CPK

RIT Score: 201–205

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	**Points, lines, and angles** 1. Points, lines, line segments, rays, and angles 9MK 2. Acute, right, obtuse, and straight angles R5K **Parallel, perpendicular, and intersecting lines** 3. Identify parallel, perpendicular, and intersecting lines DSU 4. Parallel, perpendicular, and intersecting lines 8VQ **Triangles** 5. Acute, obtuse, and right triangles 7QK **Quadrilaterals** 6. Identify parallelograms DJ9 7. Identify trapezoids 9MJ 8. Identify rectangles GHH 9. Identify rhombuses KUU

RIT Score: 206–210

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	**Quadrilaterals** 1. Parallel sides in quadrilaterals 58M 2. Classify quadrilaterals A6V 3. Pick all the names for a quadrilateral 6CT 4. Sides and angles of quadrilaterals PTK

Symmetry

5. Identify lines of symmetry 9FD
6. Draw lines of symmetry SQF
7. Count lines of symmetry MWS

Triangles

8. Acute, obtuse, and right triangles 7QK
9. Scalene, isosceles, and equilateral triangles 5UV
10. Classify triangles U59

RIT Score: 211–214

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	1. Parallel sides in quadrilaterals AJV 2. Classify quadrilaterals 6ZQ 3. Identify the relationships between quadrilaterals KCG 4. Describe relationships among quadrilaterals SZT

RIT Score: 215–217

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	**Coordinate plane** 1. Describe the coordinate plane PF8 2. Objects on a coordinate plane NTR 3. Graph points on a coordinate plane AST 4. Follow directions on a coordinate plane XQR 5. Graph points from a table HWV **Polygons** 6. Is it a polygon? ZH6 7. Sort polygons into Venn diagrams US8

RIT Score: 218–219

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	**Coordinate plane** 1. Objects on a coordinate plane GFN 2. Graph points on a coordinate plane VHQ **Shapes on the coordinate plane** 3. Area and perimeter of squares and rectangles on the coordinate plane UCD 4. Graph triangles and quadrilaterals E55

RIT Score: 220+

Standard	IXL skills
Reason with Shapes, Attributes, & Coordinate Plane	**Coordinate plane** 1. Objects on a coordinate plane GFN 2. Graph points on a coordinate plane VHQ **Nets** 3. Nets of three-dimensional figures 8KP