



IXL Skill Plan for the NWEA[®] MAP[™] Growth Math grades K-2



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Operations and Algebraic Thinking

RIT Score: Less than 145

Standard

Represent and Solve Problems

IXL skills

Addition within 5

1. Add two numbers - sums up to 5 YAX
2. Add with cubes - sums up to 5 RHY
3. Addition sentences up to 5: which model matches? 6RS
4. Addition word problems with pictures - sums up to 5 W5C

Addition within 10

5. Add with pictures - sums up to 10 KM7
6. Addition sentences up to 10: which model matches? GBZ
7. Add with cubes - sums up to 10 VKN
8. Addition word problems with pictures - sums up to 10 7VF

Subtraction within 5

9. Subtract - numbers up to 5 6R6
10. Subtract with cubes - numbers up to 5 CSA
11. Subtraction sentences up to 5: which model matches? B55
12. Subtract with pictures - numbers up to 5 FSM
13. Subtraction word problems with pictures - numbers up to 5 LWF

Subtraction within 10

14. Subtract with pictures - numbers up to 10 5KG
15. Subtraction sentences up to 10: which model matches? UFH
16. Subtract with cubes - numbers up to 10 XZN
17. Subtraction word problems with pictures - numbers up to 10 E6T

RIT Score: 146–158

Standard	IXL skills
Represent and Solve Problems	<p>Addition</p> <ol style="list-style-type: none"> Add two numbers - sums up to 10 TCB Make a number using addition - sums up to 10 QJS Turn words into an addition sentence - sums up to 10 P5F Addition word problems - sums up to 10 KUH <p>Subtraction</p> <ol style="list-style-type: none"> Subtract - numbers up to 10 X6Y Make a number using subtraction - numbers up to 10 WQ5 Turn words into a subtraction sentence - numbers up to 10 9GF Subtraction word problems - numbers up to 10 QBY <p>Make ten</p> <ol style="list-style-type: none"> Count to fill a ten frame 2U3 Complete the addition sentence - make 10 CB8
Properties of Operations	<ol style="list-style-type: none"> Make a number using addition - sums up to 5 B2L Complete the addition sentence - sums up to 5 JRS Complete the subtraction sentence - numbers up to 5 CEK

RIT Score: 159–167

Standard	IXL skills
Represent and Solve Problems	<p>Addition</p> <ol style="list-style-type: none"> Addition word problems - sums up to 10 P6D Addition sentences for word problems - sums up to 10 ZE8 <p>Subtraction</p> <ol style="list-style-type: none"> Subtraction word problems - up to 10 7NL

4. Subtraction sentences for word problems - up to 10 R2J

Properties of Operations

Addition skill builders

1. Adding 1 HRU
2. Adding 2 5ZD
3. Adding 3 YJB
4. Adding 4 5T3
5. Adding 5 ZPK
6. Adding 6 RGF
7. Adding 7 BVK
8. Adding 8 LTE
9. Adding 9 H8F
10. Adding 0 UFN

Addition

11. Addition sentences using number lines - sums up to 10 UWW
12. Addition facts - sums up to 10 WUL
13. Make a number using addition - sums up to 10 VSE
14. Complete the addition sentence - sums up to 10 N2N
15. Complete the addition sentence - make ten 5MN
16. Ways to make a number - addition sentences up to 10 K48
17. Addition sentences: true or false? AMQ

Subtraction skill builders

18. Subtracting 1 HAQ
19. Subtracting 2 FP5
20. Subtracting 3 APQ
21. Subtracting 4 7E7
22. Subtracting 5 U7E
23. Subtracting 6 2S3
24. Subtracting 7 62E
25. Subtracting 8 WMY
26. Subtracting 9 YYK
27. Subtracting 0 8DN

Subtraction

28. Subtraction sentences using number lines - up to 10 LRN
29. Subtraction facts - up to 10 EQK
30. Make a number using subtraction - up to 10 RSR
31. Ways to make a number - subtraction sentences up to 10 BTD
32. Ways to subtract from a number - subtraction sentences up to 10 ZZD
33. Complete the subtraction sentence - up to 10 J6J
34. Subtraction sentences: true or false? XRG

Related facts

35. Related addition facts Y8Y
36. Related subtraction facts XZB
37. Relate addition and subtraction sentences DM2
38. Fact families WD2

Mixed operations

39. Addition and subtraction facts - up to 10 V7A

RIT Score: 168–175

Standard	IXL skills
Represent and Solve Problems	<p>Addition</p> <ol style="list-style-type: none"> 1. Addition word problems - sums up to 20 KY5 2. Addition sentences for word problems - sums up to 20 N5N 3. Add three numbers - word problems Z7S <p>Subtraction</p> <ol style="list-style-type: none"> 4. Subtraction word problems - up to 20 9Q9 5. Subtraction sentences for word problems - up to 20 LJA <p>Mixed operations</p> <ol style="list-style-type: none"> 6. Word problems involving addition and subtraction - up to 20 VJR

Properties of Operations

Addition

1. Addition sentences using number lines - sums up to 20 LXW
2. Addition facts - sums up to 20 6TM
3. Make a number using addition - sums up to 20 UMX
4. Complete the addition sentence - sums up to 20 5BP

Addition strategies

5. Add doubles - with models HRW
6. Add doubles DFT
7. Add using doubles plus one XAY
8. Add using doubles minus one FRN
9. Add three numbers - make ten 8B2
10. Make ten to add RNZ
11. Add three numbers RL2

Subtraction

12. Subtraction sentences using number lines - up to 20 MMS
13. Subtraction facts - up to 20 PV5
14. Make a number using subtraction - up to 20 JJS
15. Complete the subtraction sentence - up to 20 ZSR

Subtraction strategies

16. Subtract zero and all PEQ
17. Subtract doubles LHZ

Mixed operations

18. Addition and subtraction - ways to make a number Q8E
19. Which sign makes the number sentence true? 7JY
20. Addition and subtraction facts - up to 20 C78
21. Addition and subtraction sentences: which is true? QVL

RIT Score: 176–182

Standard	IXL skills
Represent and Solve Problems	<p>Addition</p> <ol style="list-style-type: none"> Addition word problems - up to two digits XAT Write the addition sentence - up to two digits 5FM <p>Subtraction</p> <ol style="list-style-type: none"> Subtraction word problems - up to two digits UFU Write the subtraction sentence - up to two digits ZQH
Properties of Operations	<p>Addition and subtraction</p> <ol style="list-style-type: none"> Add one-digit numbers 5C6 Subtract a one-digit number from a two-digit number up to 18 HSU <p>Even or odd</p> <ol style="list-style-type: none"> Even or odd 54Z <p>Arrays</p> <ol style="list-style-type: none"> Identify repeated addition in arrays: sums to 10 F7E Write addition sentences for arrays: sums to 10 Z7N

RIT Score: 183–188

Standard	IXL skills
Represent and Solve Problems	<p>Addition</p> <ol style="list-style-type: none"> Add three numbers up to two digits each: word problems 52T Add four numbers up to two digits each: word problems YSX <p>Mixed operations</p> <ol style="list-style-type: none"> Addition and subtraction word problems - up to 100 MEP Two-step addition and subtraction word problems - up to 100 7P8

Properties of Operations

Addition and subtraction

1. Add and subtract numbers up to 20 QQP
2. Addition and subtraction - ways to make a number - up to 20 PD7

Represent even numbers

3. Add doubles - complete the sentence S46

Arrays

4. Identify repeated addition in arrays: sums to 25 EUS
 5. Write addition sentences for arrays: sums to 25 W8T
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Numbers and Operations

RIT Score: Less than 145

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	<p>Count within 10</p> <ol style="list-style-type: none"> Count up - up to 10 BEC Count forward - up to 10 MFP Complete a sequence - up to 10 5A2 Count shapes in rows - up to 10 R69 Count scattered shapes - up to 10 F7B Count shapes in rings - up to 10 79V Show numbers with cubes - up to 10 BPS <p>Count within 20</p> <ol style="list-style-type: none"> Count dots - 0 to 20 7T4 Count on ten frames - up to 20 FTY Represent numbers - up to 20 HTQ Count up - up to 20 KYB Count forward - up to 20 VXC Count tens and ones - up to 20 JLP Make teen numbers: words 7X2 Take apart teen numbers: words G8R <p>Compare</p> <ol style="list-style-type: none"> Fewer and more - compare by counting Y2E Fewer, more, and same FLW

RIT Score: 146–158

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	<p>Count within 20</p> <ol style="list-style-type: none"> Write tens and ones - up to 20 FVP Make teen numbers: addition sentences HZS Take apart teen numbers: addition sentences 7ML

Count within 30

4. Count on ten frames - up to 30 RE2
5. Count blocks - up to 30 BD5

Count within 100

6. Count to 100 9PV
7. Count blocks - up to 100 ZKS
8. Skip-count by tens W6M

Compare

9. Fewer and more - compare in a mixed group 7MY
10. Compare two numbers - up to 10 Z62

RIT Score: 159–167**Standard**

Understand Place Value, Counting, and Cardinality

IXL skills**Count within 40**

1. Counting review - up to 20 QRF
2. Counting tens and ones - up to 20 GU6
3. Count on ten frames - up to 40 WTZ

Count within 100

4. Counting - up to 100 SUW
5. Counting forward - up to 100 A6F
6. Counting tens and ones - up to 99 EAN
7. Counting on the hundred chart XUD
8. Hundred chart 64Q

Number names

9. Writing numbers in words - convert words to digits Y85
10. Writing numbers in words - convert digits to words YVK

Numbers and Operations: Base Ten and Fractions

Addition

1. Use models to add a two-digit and a one-digit number - without regrouping MUX
2. Use models to add a two-digit and a one-digit number - with regrouping 8RL

3. Add a one-digit number to a two-digit number - without regrouping 5VX
4. Add a one-digit number to a two-digit number - with regrouping BF6

Regroup tens and ones

5. Regroup tens and ones - ways to make a number FCJ
6. Regroup tens and ones EWN

RIT Score: 168–175

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	<p>Count</p> <ol style="list-style-type: none"> 1. Counting forward - up to 120 VZR 2. Sequences - count up and down by 1 ZBW <p>Compare</p> <ol style="list-style-type: none"> 3. Compare numbers up to 100 using symbols FU5 <p>Place value</p> <ol style="list-style-type: none"> 4. Place value models up to 20 YPB 5. Write numbers as tens and ones up to 20 5HL 6. Convert between tens and ones - multiples of ten VH7 7. Place value models up to 100 5CG 8. Write numbers as tens and ones 7WF
Numbers and Operations: Base Ten and Fractions	<p>Addition strategies</p> <ol style="list-style-type: none"> 1. Add three numbers RL2 2. Add two multiples of ten EMK 3. Use models to add a multiple of ten and a two-digit number CSV 4. Add a multiple of ten and a two-digit number LNL <p>Subtraction strategies</p> <ol style="list-style-type: none"> 5. Subtract multiples of ten 9DD <p>Add two-digit numbers</p> <ol style="list-style-type: none"> 6. Use models to add two-digit numbers - without regrouping GJJ

7. Add two-digit numbers without regrouping - sums to 100 VZW
8. Use models to add two-digit numbers - with regrouping CDU
9. Add two-digit numbers with regrouping - sums to 100 QHX

RIT Score: 176–182

Standard	IXL skills
Understand Place Value, Counting, and Cardinality	<p>Skip-counting</p> <ol style="list-style-type: none"> 1. Count forward and backward by fives and tens 8JK 2. Skip-counting by fives and tens FVF <p>Number names</p> <ol style="list-style-type: none"> 3. Writing numbers up to 100 in words - convert words to digits 2FT 4. Writing numbers up to 100 in words - convert digits to words VPG 5. Spell word names for numbers up to 20 QBX <p>Place value</p> <ol style="list-style-type: none"> 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
Numbers and Operations: Base Ten and Fractions	<p>Place value strategies</p> <ol style="list-style-type: none"> 1. Add zero YEY 2. Add multiples of 10 NPQ 3. Subtract multiples of 10 2Q6 <p>Addition</p> <ol style="list-style-type: none"> 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
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	<p>Count up to 1,000</p> <ol style="list-style-type: none"> 1. Count forward and backward by fives, tens, and hundreds R5A 2. Count forward by tens - up to 1,000 B86 3. Count forward - up to 1,000 88P <p>Compare numbers</p> <ol style="list-style-type: none"> 4. Comparing numbers up to 1,000 XF9 <p>Number names</p> <ol style="list-style-type: none"> 5. Writing numbers up to 1,000 in words - convert words to digits JKD 6. Writing numbers up to 1,000 in words - convert digits to words VPQ <p>Expanded form</p> <ol style="list-style-type: none"> 7. Convert from expanded form - up to hundreds LG5 <p>Place value</p> <ol style="list-style-type: none"> 8. Convert between place values - ones and hundreds 9T6
Numbers and Operations: Base Ten and Fractions	<p>Place value strategies</p> <ol style="list-style-type: none"> 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

5. Input/output tables - add and subtract by 10 or 100 6XK

Addition with two-digit numbers

6. Use compensation to add - up to two digits SCF
7. Add two-digit numbers - sums to 200 GZY
8. Add four numbers up to two digits each DP6

Addition with three-digit numbers

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

Subtraction with three-digit numbers

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

Mixed operations

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

RIT Score: Less than 145

Standard	IXL skills
Solve Problems Involving Measurement	<ol style="list-style-type: none"> 1. Long and short DGP 2. Tall and short 9KJ 3. Light and heavy WWN 4. Holds more or less 9KH 5. Wide and narrow 5Q4
Represent and Interpret Data	<ol style="list-style-type: none"> 1. Different 8U4 2. Same H8J 3. Same and different 6XZ

RIT Score: 146–158

Standard	IXL skills
Solve Problems Involving Measurement	<ol style="list-style-type: none"> 1. Compare size, weight, and capacity KGC
Represent and Interpret Data	<ol style="list-style-type: none"> 1. Classify and sort by shape 9UK 2. Classify and sort RPB 3. Classify, sort, and count H8H

RIT Score: 159–167

Standard	IXL skills
Solve Problems Involving Measurement	<ol style="list-style-type: none"> 1. Compare objects: length and height D7U 2. Match digital clocks and times KKM
Represent and Interpret Data	<ol style="list-style-type: none"> 1. Which tally chart is correct? XRL 2. Which picture graph is correct? WZF 3. Which table is correct? CSH

RIT Score: 168–175

Standard	IXL skills
Solve Problems Involving Measurement	<p>Length</p> <ol style="list-style-type: none"> 1. Measure length with objects GWG 2. Measure length with cubes FBV <p>Time</p> <ol style="list-style-type: none"> 3. Match analog clocks and times 5FJ 4. Match analog and digital clocks 7N3 5. Read clocks and write times UJM
Represent and Interpret Data	<ol style="list-style-type: none"> 1. Interpret tally charts LBV 2. Interpret picture graphs GFA 3. Interpret data in tables KGS

RIT Score: 176–182

Standard	IXL skills
Solve Problems Involving Measurement	<p>Number lines</p> <ol style="list-style-type: none"> 1. Number lines - up to 100 T6D 2. Addition sentences using number lines - sums up to 20 FXF 3. Subtraction sentences using number lines - up to 20 GUZ <p>Money</p> <ol style="list-style-type: none"> 4. Count money - up to \$1 DGK 5. Count money - up to \$5 3R8 6. Equivalent amounts of money - up to \$1 MGA 7. Exchanging money - with pictures VZD 8. Comparing groups of coins FVT <p>Time</p> <ol style="list-style-type: none"> 9. Match analog and digital clocks HKL 10. Read clocks and write times K7F 11. A.M. or P.M. EJV

Customary units

12. Measure using an inch ruler 88A
13. Which customary unit of length is appropriate: inches or feet? 5XG
14. Which customary unit of length is appropriate: inches, feet, or yards? GKJ

Metric units

15. Measure using a centimeter ruler 7WA
16. 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**

Solve Problems Involving Measurement

Number lines

1. Number lines - up to 1,000 KFQ

Add and subtract money

2. Add money - up to \$1 6X3
3. Add money - up to \$1: word problems ZWJ
4. Subtract money - up to \$1 WH5
5. Subtract money - up to \$1: word problems ME9
6. Add and subtract money - up to \$1 LYC
7. Add and subtract money - up to \$1: word problems N5Y

Comparisons with money

8. Purchases - do you have enough money - up to \$1 F62
9. Purchases - do you have enough money - up to \$5 W79
10. Which picture shows more - up to \$5 39E

Ways to make an amount

11. Least number of coins QAP
12. How much more to make a dollar? V9L

Make change

- 13. Making change LYP
- 14. Correct amount of change LQ7

Customary and metric units

- 15. Customary units of length: word problems GSF
- 16. Metric units of length: word problems KJ5

Represent and Interpret Data

- 1. Create pictographs I NM5
 - 2. Create bar graphs 6KD
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Geometry

RIT Score: Less than 145

Standard	IXL skills
Reason with Shapes and Their Attributes	<p>Relative positions</p> <ol style="list-style-type: none"> 1. Inside and outside DHH 2. Left, middle, and right QC5 3. Top, middle, and bottom 2XE 4. Location in a grid LD9 5. Above and below 9DZ 6. Beside and next to 5JY <p>Two-dimensional shapes</p> <ol style="list-style-type: none"> 7. Name the two-dimensional shape MCW 8. Curved parts A6B 9. Count corners EKY 10. Square corners 6ZY 11. Count sides VUD 12. Equal sides T54

RIT Score: 146–158

Standard	IXL skills
Reason with Shapes and Their Attributes	<p>Shape names and positions</p> <ol style="list-style-type: none"> 1. Above and below - find solid figures 5YQ 2. Beside and next to - find solid figures YYL <p>Two-dimensional shapes</p> <ol style="list-style-type: none"> 3. Select two-dimensional shapes QRY 4. Compare sides and corners UXY <p>Flat and solid shapes</p> <ol style="list-style-type: none"> 5. Flat and solid shapes 4X6 <p>Three-dimensional shapes</p> <ol style="list-style-type: none"> 6. Name the three-dimensional shape 2FZ 7. Select three-dimensional shapes QAV

8. Shapes of everyday objects I ZRS

9. Shapes of everyday objects II E2G

Compose shapes

10. Compose two-dimensional shapes ZXE

RIT Score: 159–167

Standard	IXL skills
Reason with Shapes and Their Attributes	<p>Two-dimensional shapes</p> <ol style="list-style-type: none"> Select two-dimensional shapes HV6 Count sides and corners VUQ Open and closed shapes DBN <p>Two-dimensional and three-dimensional shapes</p> <ol style="list-style-type: none"> Two-dimensional and three-dimensional shapes 2NN <p>Compose shapes</p> <ol style="list-style-type: none"> Compose two-dimensional shapes YEU

RIT Score: 168–175

Standard	IXL skills
Reason with Shapes and Their Attributes	<p>Three-dimensional shapes</p> <ol style="list-style-type: none"> Cubes and rectangular prisms 7HG Select three-dimensional shapes J8A Count vertices, edges, and faces Z42 Identify faces of three-dimensional shapes RPX <p>Halves and fourths</p> <ol style="list-style-type: none"> Make halves and fourths X5A Make halves and fourths in different ways YJR Equal parts - halves and fourths HVX Identify halves and fourths WVJ

RIT Score: 176–182

Standard	IXL skills
Reason with Shapes and Their Attributes	Two-dimensional shapes <ol style="list-style-type: none">1. Name the two-dimensional shape 2FK2. Select two-dimensional shapes DWL3. Count sides and vertices EAQ4. Compare sides and vertices G9N Three-dimensional shapes <ol style="list-style-type: none">5. Cubes K6N Area <ol style="list-style-type: none">6. Area 73H

RIT Score: 183–188

Standard	IXL skills
Reason with Shapes and Their Attributes	Area <ol style="list-style-type: none">1. Tile a rectangle with squares 2VD Three-dimensional shapes <ol style="list-style-type: none">2. Count vertices, edges, and faces X723. Compare vertices, edges, and faces DPT4. Identify faces of three-dimensional shapes QSR5. Identify shapes traced from solids MRD Halves, thirds, and fourths <ol style="list-style-type: none">6. Make halves, thirds, and fourths QD27. Make halves, thirds, and fourths in different ways 6SG