



IXL Skill Alignment

1st grade alignment for Math in Focus (2013)



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Chapter 1

Numbers to 10

Textbook section	IXL skills
1.1: Counting to 10	<ol style="list-style-type: none">Counting review - up to 10 A6X <p><i>Also consider</i></p> <ul style="list-style-type: none">Count to fill a ten frame 6CB
1.2: Comparing Numbers	<ol style="list-style-type: none">Fewer, more, and same NMXCompare numbers up to 10 using words 2PE
1.3: Making Number Patterns	<ol style="list-style-type: none">One more and one less on frames - up to 10 PQ7Complete a sequence - up to 10 5F5

Chapter 2

Number Bonds

Textbook section	IXL skills
2.1: Making Number Bonds	1. Decompose a number up to 10 XD9

Chapter 3

Addition Facts to 10

Textbook section

IXL skills

3.1: Ways to Add

1. Add with cubes - sums up to 10 E8D
2. Addition sentences up to 10: what does the model show? F9B
3. Addition facts without zero - sums up to 10 RUF

Also consider

- Add with pictures - sums up to 10 H6S
- Addition sentences up to 10: which model matches? E5U
- Addition sentences using number lines - sums up to 10 UWW
- Turn words into an addition sentence - sums up to 10 5YU

3.2: Making Addition Stories

1. Addition word problems with pictures - sums up to 10 F6L

Also consider

- Make a number using addition - sums up to 10 VSE
- Complete the addition sentence - sums up to 10 N2N
- Ways to make a number - addition sentences up to 10 K48

3.3: Real-World Problem: Addition

1. Addition word problems - sums up to 10 P6D
2. Addition sentences for word problems - sums up to 10 ZE8

Chapter 4

Subtraction Facts to 10

Textbook section	IXL skills
<p>4.1: Ways to Subtract</p>	<ol style="list-style-type: none"> 1. Subtract with cubes - up to 10 5JT 2. Subtraction sentences up to 10: what does the model show? 2AY 3. Subtract within 10 Q49 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Subtract with pictures - up to 10 Y2Z • Subtraction sentences up to 10: which model matches? MGG • Subtraction sentences using number lines - up to 10 LRN • Turn words into a subtraction sentence - up to 10 ZJA
<p>4.2: Making Subtraction Stories</p>	<ol style="list-style-type: none"> 1. Subtraction word problems with pictures - up to 10 GA9 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Make a number using subtraction - up to 10 RSR • Ways to make a number - subtraction sentences up to 10 BTD • Ways to subtract from a number - subtraction sentences up to 10 ZZD • Complete the subtraction sentence - up to 10 J6J
<p>4.3: Real-World Problems: Subtraction</p>	<ol style="list-style-type: none"> 1. Subtraction word problems - up to 10 7NL 2. Subtraction sentences for word problems - up to 10 R2J
<p>4.4: Making Fact Families</p>	<ol style="list-style-type: none"> 1. Fact families - up to 10 2FC 2. Related addition and subtraction facts VKS

Chapter 5

Shapes and Patterns

Textbook section	IXL skills
5.1: Exploring Plane Shapes	<ol style="list-style-type: none"> 1. Classify and sort by shape or color 93M 2. Count sides and corners VUQ 3. Identify halves and fourths WVL <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Count shapes in a Venn diagram PNU • Sort shapes into a Venn diagram C8D • Make halves and fourths X5A
5.2: Exploring Solid Shapes	<ol style="list-style-type: none"> 1. Name the three-dimensional shape 26D 2. Select three-dimensional shapes J8A
5.3: Making Pictures and Models with Shapes	<ol style="list-style-type: none"> 1. Compose two-dimensional shapes YEU
5.4: Seeing Shapes Around Us	<ol style="list-style-type: none"> 1. Shapes of everyday objects I ZCN 2. Shapes of everyday objects II LFC 3. Identify faces of three-dimensional shapes RPX <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Identify shapes traced from solids NXF
5.5: Making Patterns with Plane Shapes	<ol style="list-style-type: none"> 1. Find the next shape in a pattern AG5 2. Complete a pattern HHW 3. Make a pattern QZE
5.6: Making Patterns with Solid Shapes	

Chapter 6

Ordinal Numbers and Position

Textbook section	IXL skills
6.1: Ordinal Numbers	1. Ordinal numbers XUP
6.2: Position Words	1. Location in a grid ZXG 2. Above and below NKZ 3. Beside and next to JNZ <i>Also consider</i> <ul style="list-style-type: none">• Number lines - up to 100 MVE

Chapter 7

Numbers to 20

Textbook section	IXL skills
7.1: Counting to 20	<ol style="list-style-type: none">Counting review - up to 20 QRFCounting tens and ones - up to 20 GU6 <p><i>Also consider</i></p> <ul style="list-style-type: none">Writing numbers in words - convert words to digits Y85Writing numbers in words - convert digits to words YVK
7.2: Place Value	<ol style="list-style-type: none">Place value models up to 20 YPBWrite numbers as tens and ones up to 20 5HL
7.3: Comparing Numbers	<ol style="list-style-type: none">Compare numbers up to 20 using words WMM <p><i>Also consider</i></p> <ul style="list-style-type: none">Comparing - review PRR
7.4: Making Patterns and Ordering Numbers	<ol style="list-style-type: none">Complete a sequence - up to 20 N78Put numbers in order - up to 20 CCX

Chapter 8

Addition and Subtraction Facts to 20

Textbook section

IXL skills

8.1: Ways to Add

1. Add doubles - with models HRW
2. Use ten to add - sums up to 20 AJ6
3. Addition facts - sums up to 20 6TM

Also consider

- Make a number using addition - sums up to 20 UMX
- Complete the addition sentence - sums up to 20 5BP
- Add doubles - complete the sentence TAZ

8.2: Ways to Subtract

1. Subtraction facts - up to 20 PV5

Also consider

- Make a number using subtraction - up to 20 JJS
- Complete the subtraction sentence - up to 20 ZSR
- Relate addition and subtraction sentences DM2

8.3: Real-World Problems: Addition and Subtraction Facts

1. Addition word problems - sums up to 20 KY5
2. Subtraction word problems - up to 20 9Q9
3. Addition and subtraction word problems - up to 20 VJR

Also consider

- Addition sentences for word problems - sums up to 20 N5N
- Subtraction sentences for word problems - up to 20 LJA

Chapter 9

Length

Textbook section	IXL skills
9.1: Comparing Two Things	1. Compare objects: length and height - 2 objects only C99
9.2: Comparing More Than Two Things	1. Compare objects: length and height D7U
9.3: Using a Start Line	
9.4: Measuring Things	1. Measure length with objects GWG
9.5: Finding Length in Units	1. Measure length with cubes FBV 2. Measure height with cubes BLM

Chapter 10

Weight

Textbook section	IXL skills
10.1: Comparing Things	1. Light and heavy P8W
10.2: Finding the Weight of Things	
10.3: Finding Weight in Units	

Chapter 11

Picture Graphs and Bar Graphs

Textbook section	IXL skills
11.1: Simple Picture Graphs	<ol style="list-style-type: none">1. Which picture graph is correct? WZF2. Interpret picture graphs GFA
11.2: More Picture Graphs	<ol style="list-style-type: none">1. Interpret picture graphs II 7LT
11.3: Tally Charts and Bar Graphs	<ol style="list-style-type: none">1. Interpret tally charts LBV2. Interpret bar graphs I 9US3. Interpret bar graphs II SW5 <p><i>Also consider</i></p> <ul style="list-style-type: none">• Which tally chart is correct? XRL• Which bar graph is correct? 83F

Chapter 12

Numbers to 40

Textbook section	IXL skills
12.1: Counting to 40	1. Count on ten frames - up to 40 WZ
12.2: Place Value	1. Write numbers as tens and ones - up to 40 G6R
12.3: Comparing, Ordering, and Patterns	1. Put numbers in order - up to 40 BHR 2. Compare numbers up to 30 using words EDF

Chapter 13

Addition and Subtraction to 40

Textbook section	IXL skills
13.1: Addition without Regrouping	<ol style="list-style-type: none"> 1. Use models to add a two-digit and a one-digit number - without regrouping - sums to 40 H5Y 2. Add a one-digit number to a two-digit number - without regrouping - sums to 40 SJK 3. Add two-digit numbers without regrouping - sums to 40 L7X
13.2: Addition with Regrouping	<ol style="list-style-type: none"> 1. Use models to add a two-digit and a one-digit number - with regrouping - sums to 40 DVA 2. Add a one-digit number to a two-digit number - with regrouping - sums to 40 LSY 3. Add two-digit numbers with regrouping - sums to 40 Y8V
13.3: Subtraction without Regrouping	<ol style="list-style-type: none"> 1. Subtract a one-digit number from a two-digit number - without regrouping - up to 40 PK6 2. Subtract two two-digit numbers - without regrouping - up to 40 UMN
13.4: Subtraction with Regrouping	<ol style="list-style-type: none"> 1. Subtract a one-digit number from a two-digit number - with regrouping - up to 40 L6M 2. Subtract two two-digit numbers - with regrouping - up to 40 GHN
13.5: Adding Three Numbers	<ol style="list-style-type: none"> 1. Add three numbers - make ten 8B2 2. Add three numbers RL2 <p><i>Also consider</i></p> <ul style="list-style-type: none"> • Add three numbers - use doubles 2K8
13.6: Real-World Problems: Addition and Subtraction	<ol style="list-style-type: none"> 1. Addition and subtraction word problems - up to 40 36T 2. Add three numbers - word problems Z7S

Chapter 14

Mental Math Strategies

Textbook section

IXL skills

14.1: Mental Addition

1. Use ten to add a multiple of ten and a two-digit number XZL
2. Add using doubles plus one XAY

Also consider

- Add doubles DFT

14.2: Mental Subtraction

1. Subtraction facts - up to 20 PV5

Also consider

- Subtract doubles LHZ

Chapter 15

Calendar and Time

Textbook section

IXL skills

15.1: Using a Calendar

1. Days of the week LWC
2. Months of the year 7XE
3. Read a calendar I Y2K

Also consider

- Seasons of the year XGV
- Read a calendar II XKU

15.2: Telling Time to the Hour

1. Match analog and digital clocks: to the hour 7B8
2. Read clocks and write times: to the hour 63H
3. Times of everyday events BXM

15.3: Telling Time to the Half Hour

1. Match analog and digital clocks 7N3
2. Read clocks and write times UJM

Also consider

- Match digital clocks and times KKM
- Match analog clocks and times 5FJ
- A.M. or P.M. 7KN
- Compare clocks VRW
- Time and clocks: word problems NPR

Chapter 16

Numbers to 120

Textbook section

IXL skills

16.1: Counting to 120

1. Counting tens and ones - up to 99 EAN
2. Counting forward - up to 120 VZR
3. Writing numbers in words - convert words to digits Y85
4. Writing numbers in words - convert digits to words YVK

Also consider

- Skip-counting by tens N89
- Counting - up to 100 SUW
- Estimate to the nearest ten 9G2

16.2: Place Value

1. Place value models up to 100 5CG
2. Convert between tens and ones - multiples of 10 VH7
3. Write numbers as tens and ones 7WF

16.3: Comparing, Ordering, and Patterns

1. Compare numbers up to 100 using symbols FU5
2. Put numbers in order PB7
3. Sequences - count up and down by 1, 2, 5, and 10 8PY

Also consider

- Counting on the hundred chart XUD
- Hundred chart 64Q
- Number lines - up to 100 MVE

Chapter 17

Addition and Subtraction to 100

Textbook section

IXL skills

17.1: Addition without Regrouping

1. Add a one-digit number to a two-digit number - without regrouping 5VX
2. Add two multiples of ten EMK
3. Add a multiple of ten and a two-digit number LNL
4. Add two-digit numbers without regrouping - sums to 100 VZW

Also consider

- Use models to add a two-digit and a one-digit number - without regrouping MUX
- Use models to add a multiple of ten and a two-digit number CSV
- Use models to add two-digit numbers - without regrouping GJJ

17.2: Addition with Regrouping

1. Add a one-digit number to a two-digit number - with regrouping BF6
2. Add two-digit numbers with regrouping - sums to 100 QHX

Also consider

- Regroup tens and ones EWN
- Use models to add a two-digit and a one-digit number - with regrouping 8RL
- Use models to add two-digit numbers - with regrouping CDU

17.3: Subtraction without Regrouping

1. Subtract multiples of 10 9DD
2. Subtract a one-digit number from a two-digit number - without regrouping BAZ
3. Subtract two two-digit numbers - without regrouping CXJ

17.4: Subtraction with Regrouping

1. Subtract a one-digit number from a two-digit number - with regrouping XJS
 2. Subtract two two-digit numbers - with regrouping ZVQ
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Chapter 18

Multiplication and Division

Textbook section	IXL skills
18.1: Adding the Same Number	<ol style="list-style-type: none">1. Write addition sentences for arrays: sums to 25 YHG2. Count equal groups Z6F
18.2: Sharing Equally	<ol style="list-style-type: none">1. Find the number in each group ZV6
18.3: Finding the Number of Groups	<ol style="list-style-type: none">1. Find the number of groups 72M

Chapter 19

Money

Textbook section	IXL skills
19.1: Penny, Nickel, and Dime	<ol style="list-style-type: none"> Count pennies, nickels, and dimes UED Exchanging coins - pennies through dimes HVR
19.2: Quarter	<ol style="list-style-type: none"> Exchanging coins - with pictures WXU <p><i>Also consider</i></p> <ul style="list-style-type: none"> Names and values of common coins FT2 Exchanging coins HSW
19.3: Counting Money	<ol style="list-style-type: none"> Count pennies, nickels, dimes, and quarters 8AK <p><i>Also consider</i></p> <ul style="list-style-type: none"> Equivalent groups of coins TRL Money - word problems KJD Purchases: do you have enough money? S9S Compare money amounts VJA Least number of coins 8TY
19.4: Adding and Subtracting Money	<ol style="list-style-type: none"> Add and subtract money - up to \$1: word problems 46B Correct amount of change XVE