



IXL Weekly Boost skill plan

Math - Sixth grade



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Week 1

Factors and multiples

Day	IXL skills
Day 1	1. Prime or composite DFC 2. Identify factors BGJ 3. Find all the factor pairs of a number VTM
Day 2	1. Prime factorization 9CP 2. Greatest common factor AMB 3. Least common multiple NGA
Day 3	1. GCF and LCM: word problems ZB8 2. Factor numerical expressions using the distributive property MX2 3. Checkpoint: Factors and multiples 6B2

Week 2

Operations with whole numbers

Day	IXL skills
Day 1	1. Add and subtract whole numbers: word problems A67 2. Multiply whole numbers ZCL
Day 2	1. Division patterns with zeros CEZ 2. Divide numbers ending in zeros: word problems 95H
Day 3	1. Estimate quotients 5RQ 2. Divide whole numbers - 2-digit divisors FL2 3. Divide whole numbers - 3-digit divisors STW

Week 3

Fractions and decimals

Day	IXL skills
Day 1	1. Convert between improper fractions and mixed numbers P9A 2. Understand fractions as division: word problems QNG
Day 2	1. Convert fractions to decimals 62Y 2. Convert decimals to fractions HTJ 3. Convert between fractions and repeating decimals JVE
Day 3	1. Convert between decimals and mixed numbers PD8 2. Put a mix of decimals, fractions, and mixed numbers in order AWV

Week 4

Operations with decimals

Day	IXL skills
Day 1	1. Add and subtract decimal numbers 79J 2. Add and subtract decimals: word problems 97T
Day 2	1. Maps with decimal distances J7D 2. Complete the decimal addition or subtraction sentence QRH
Day 3	1. Add and subtract money amounts: word problems DR9 2. Multiply and divide decimals by powers of ten KNH

Week 5

Operations with decimals

Day	IXL skills
Day 1	1. Multiply decimals 2WT 2. Divide decimals by whole numbers NLL
Day 2	1. Divide decimals by whole numbers: word problems TWZ 2. Division with decimal divisors BFR
Day 3	1. Add, subtract, multiply, or divide two decimals P6W 2. Add, subtract, multiply, or divide two decimals: word problems 8HT 3. Checkpoint: Operations with whole numbers and decimals XMJ

Week 6

Dividing fractions

Day	IXL skills
Day 1	1. Reciprocals 5BT 2. Divide whole numbers and unit fractions DPA 3. Divide fractions by whole numbers in recipes ENK
Day 2	1. Divide fractions using models CHB 2. Divide fractions DS2
Day 3	1. Divide fractions and mixed numbers N2B 2. Divide fractions and mixed numbers: word problems WAH 3. Checkpoint: Divide fractions 5M3

Week 7

Integers and operations with fractions

Day	IXL skills
Day 1	1. Add, subtract, multiply, or divide two fractions 2VR 2. Add, subtract, multiply, or divide two fractions: word problems RDY
Day 2	1. Understanding integers 8EP 2. Graph integers on horizontal and vertical number lines 36C 3. Understanding opposite integers X8L
Day 3	1. Compare integers 4G6 2. Compare temperatures above and below zero UVD 3. Put integers in order CMQ

Week 8

Absolute value and rational numbers

Day	IXL skills
Day 1	1. Understanding absolute value TLR 2. Absolute value 2YZ 3. Absolute value and integers: word problems 9CW
Day 2	1. Rational numbers on number lines DJE 2. Opposites of rational numbers E8R 3. Absolute value of rational numbers KGX
Day 3	1. Compare and order rational numbers using number lines FMS 2. Compare rational numbers KS2 • <i>Coming soon:</i> Checkpoint: Positive and negative numbers

Week 9

Rational numbers and ratios

Day	IXL skills
Day 1	1. Put rational numbers in order 5AX 2. Compare and order rational numbers: word problems ETK 3. Rational numbers: find the sign V2E
Day 2	1. Write a ratio using a colon 83K 2. Write a ratio: word problems SBQ 3. Which model represents the ratio? 66V
Day 3	1. Identify equivalent ratios 2LM 2. Write an equivalent ratio NEA

Week 10

Ratios and rates

Day	IXL skills
Day 1	1. Equivalent ratios: word problems RLZ 2. Compare ratios: word problems 2HT 3. Ratio tables PPF
Day 2	1. Use tape diagrams to solve ratio word problems YMD 2. Unit rates JSZ 3. Unit prices UKD
Day 3	1. Rates: word problems 9AF 2. Compare rates: word problems NAF 3. Checkpoint: Unit rates KE2

Week 11

Ratios, rates, and percents

Day	IXL skills
Day 1	1. Ratios and rates: complete a table and make a graph 6Z2 2. Ratios and rates: word problems ZB9 3. Checkpoint: Ratio concepts 5T2
Day 2	1. What percentage is illustrated? RHG 2. Benchmark percents with strip models: multiples of 10, 20, 25, 33, and 50 5JV 3. Convert fractions to percents using grid models ZDZ
Day 3	1. Convert between percents, fractions, and decimals ZAV 2. Convert between percents, fractions, and decimals: word problems 7CZ 3. Compare percents to each other and to fractions GBY

Week 12

Percents

Day	IXL skills
Day 1	1. Solve percent problems using grid models YX6 2. Solve percent problems using strip models MEA
Day 2	1. Percents of numbers and money amounts 8N4 2. Percents of numbers: word problems BBY
Day 3	1. Percents of numbers: fractional and decimal percents CD5 2. Find the total given a part and a percent D6L

Week 13

Percents and measurement

Day	IXL skills
Day 1	1. Solve percent problems ELY 2. Solve percent word problems YWB 3. Checkpoint: Percents FP9
Day 2	1. Convert and compare customary units 9TJ 2. Convert and compare metric units FDH 3. Convert customary and metric units using proportions 2HG
Day 3	1. Customary unit conversions involving fractions and mixed numbers UHE 2. Convert, compare, add, and subtract mixed customary units 97L

Week 14

Measurement and exponents

Day	IXL skills
Day 1	1. Convert between customary and metric systems 5CF
Day 2	1. Write multiplication expressions using exponents TY5 2. Evaluate powers with whole number bases XDA 3. Write powers of ten with exponents DLL
Day 3	1. Find the missing exponent or base HC5 2. Evaluate numerical expressions one step at a time XCQ

Week 15

Exponents and numerical expressions

Day	IXL skills
Day 1	1. Evaluate numerical expressions involving whole numbers MLU 2. Identify mistakes involving the order of operations V46
Day 2	1. Evaluate powers with decimal bases D5D 2. Evaluate numerical expressions involving decimals YEE
Day 3	1. Evaluate powers with fractional bases GEQ 2. Evaluate numerical expressions involving fractions WNE 3. Checkpoint: Numerical expressions with exponents FW8

Week 16

Variable expressions

Day	IXL skills
Day 1	1. Write variable expressions: word problems 6LQ
Day 2	1. Write variable expressions: one operation F5B 2. Write variable expressions: two operations CX9
Day 3	1. Evaluate variable expressions with whole numbers Q8Z 2. Evaluate multi-variable expressions HC9

Week 17

Variable expressions

Day	IXL skills
Day 1	1. Evaluate variable expressions with decimals, fractions, and mixed numbers 49T 2. Convert between Celsius and Fahrenheit UJK
Day 2	1. Evaluate variable expressions: word problems 7XA
Day 3	1. Identify terms and coefficients 9KE 2. Properties of addition JRM 3. Properties of multiplication HC8

Week 18

Variable expressions

Day	IXL skills
Day 1	1. Identify equivalent expressions using strip models W5U
Day 2	1. Multiply using the distributive property: area models 7XM 2. Multiply using the distributive property 2HH
Day 3	1. Factor variable expressions using the distributive property PGZ 2. Sort factors of variable expressions QXS

Week 19

Variable expressions and equations

Day	IXL skills
Day 1	1. Write equivalent expressions using properties R8H 2. Identify equivalent expressions I KFG
Day 2	1. Identify equivalent expressions II HTG • <i>Coming soon:</i> Checkpoint: Expressions with variables
Day 3	1. Does x satisfy an equation? VMB 2. Which x satisfies an equation? VG8 3. Solve for a variable using properties of multiplication 6ZG

Week 20

Solving equations

Day	IXL skills
Day 1	1. Model and solve equations using algebra tiles G6Z 2. Model and solve equations using diagrams 82C
Day 2	1. Solve one-step addition and subtraction equations with whole numbers JXM 2. Solve one-step addition and subtraction equations: word problems 35Q
Day 3	1. Solve one-step multiplication and division equations with whole numbers JUA 2. Solve one-step multiplication and division equations: word problems GMV

Week 21

Solving equations

Day	IXL skills
Day 1	1. Solve one-step equations with whole numbers WLR 2. Write a one-step equation: word problems YVX
Day 2	1. Solve one-step equations: word problems BXY 2. Which word problem matches the one-step equation? WYQ
Day 3	1. Solve one-step addition and subtraction equations with decimals and fractions 5D2 2. Solve one-step multiplication and division equations with decimals and fractions T53 3. Checkpoint: Understand and solve equations DEJ

Week 22

Inequalities and the coordinate plane

Day	IXL skills
Day 1	1. Solutions to inequalities P9N 2. Graph inequalities on number lines CXX
Day 2	1. Write inequalities from number lines N99 2. Write and graph inequalities: word problems AGB • <i>Coming soon:</i> Checkpoint: Inequalities
Day 3	1. Objects on a coordinate plane GFN 2. Graph points on a coordinate plane VHQ 3. Quadrants F5T

Week 23

The coordinate plane

Day	IXL skills
Day 1	1. Reflect a point over an axis 32S 2. Distance between two points A7P
Day 2	1. Follow directions on a coordinate plane XDQ 2. Coordinate planes as maps N96 • <i>Coming soon:</i> Checkpoint: The coordinate plane
Day 3	1. Identify independent and dependent variables in tables and graphs YFW 2. Interpret a graph: word problems KZD

Week 24

Two-variable equations

Day	IXL skills
Day 1	1. Find a value using two-variable equations 46Q 2. Find a value using two-variable equations: word problems XRJ
Day 2	1. Identify independent and dependent variables: word problems 9UJ 2. Complete a table for a two-variable relationship TZB
Day 3	1. Graph a relationship between two variables TJA

Week 25

Two-variable equations

Day	IXL skills
Day 1	1. Complete a table and graph a two-variable equation EY5 2. Identify the graph of an equation WN7
Day 2	1. Write an equation from a graph using a table BCM 2. Write a two-variable equation from a table ZTL
Day 3	1. Write a two-variable equation 2RE 2. Relationships between two variables: word problems UJQ • <i>Coming soon:</i> Checkpoint: Two-variable relationships

Week 26

Area

Day	IXL skills
Day 1	1. Area of rectangles and squares BE9 2. Understanding area of a triangle PLL 3. Area of triangles C8S
Day 2	1. Understanding area of a parallelogram QMU 2. Area of parallelograms Y8K
Day 3	1. Understanding area of a trapezoid 42R 2. Area of trapezoids PKW

Week 27

Area

Day	IXL skills
Day 1	1. Area of rhombuses 2QG 2. Area of quadrilaterals 27F
Day 2	1. Area of quadrilaterals and triangles: word problems ULK 2. Area between two triangles 8RG
Day 3	1. Area of compound figures 76U 2. Area of compound figures with triangles 5V2 • <i>Coming soon:</i> Checkpoint: Area of polygons

Week 28

Area and volume

Day	IXL skills
Day 1	1. Graph triangles and quadrilaterals E55 2. Area and perimeter of squares and rectangles on the coordinate plane UCD
Day 2	1. Volume of cubes and rectangular prisms XHF 2. Volume of cubes and rectangular prisms: word problems BBM
Day 3	1. Volume of cubes and rectangular prisms with fractional side lengths BQK

Week 29

Surface area and data

Day	IXL skills
Day 1	1. Nets of three-dimensional figures 8KP 2. Surface area of cubes and rectangular prisms RMG
Day 2	1. Surface area of triangular prisms UGR 2. Surface area of pyramids 5XW • <i>Coming soon:</i> Checkpoint: Surface area and volume
Day 3	1. Identify statistical questions PT7 2. Create frequency tables W8X 3. Interpret categorical data 59A

Week 30

Data and graphs

Day	IXL skills
Day 1	1. Create line plots 5HD 2. Interpret line plots M5Y
Day 2	1. Create stem-and-leaf plots 7VE 2. Interpret stem-and-leaf plots 2E8 3. Create relative frequency tables 23P
Day 3	1. Create histograms 7NG 2. Interpret histograms CBF

Week 31

Statistics

Day	IXL skills
Day 1	1. Calculate mean, median, mode, and range ZZK 2. Interpret charts and graphs to find mean, median, mode, and range 2WK
Day 2	1. Mean, median, mode, and range: find the missing number 77K 2. Calculate mean absolute deviation JUV
Day 3	1. Identify an outlier 86B 2. Identify an outlier and describe the effect of removing it 8Q5

Week 32

Statistics

Day	IXL skills
Day 1	1. Calculate quartiles and interquartile range MNV 2. Box plots E9F
Day 2	1. Describe distributions in line plots RZL
Day 3	1. Interpret measures of center and variability PZB 2. Choose appropriate measures of center and variation ES2 • <i>Coming soon:</i> Checkpoint: Statistical questions and numerical data