



# IXL Weekly Boost skill plan

## Math - 7th grade



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[www.ixl.com/math/skill-plans/ixl-weekly-boost-grade-7](https://www.ixl.com/math/skill-plans/ixl-weekly-boost-grade-7)

# Week 1

## Operations with whole numbers or decimals

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Multi-step word problems: identify reasonable answers <small>MDP</small></li><li>2. Multi-step word problems <small>JVU</small></li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Add, subtract, multiply, or divide two decimals <small>5ZF</small></li><li>2. Add, subtract, multiply, and divide decimals: word problems <small>TGN</small></li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Price lists <small>CVW</small></li><li>2. Add, subtract, multiply, and divide money amounts: word problems <small>HGN</small></li><li>3. Evaluate numerical expressions involving decimals <small>FNM</small></li></ol>

## Week 2

### Operations with fractions

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Add and subtract fractions NGL</li><li>2. Add and subtract mixed numbers: word problems 6YT</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Multiply fractions PDK</li><li>2. Divide fractions X7A</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Add, subtract, multiply, and divide fractions and mixed numbers: word problems KR7</li><li>2. Evaluate numerical expressions involving fractions XXQ</li></ol>

## Week 3

### Integers and rational numbers

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Convert fractions or mixed numbers to decimals <small>M2D</small></li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Understanding integers <small>YBC</small></li><li>2. Graph integers on horizontal and vertical number lines <small>EM8</small></li><li>3. Compare and order integers <small>JX8</small></li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Classify rational numbers using a diagram <small>6KA</small></li><li>2. Classify rational numbers <small>LCS</small></li></ol>

## Week 4

### Rational numbers and adding integers

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Compare rational numbers JVR</li><li>2. Put rational numbers in order 28Y</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Absolute value and opposite integers NSB</li><li>2. Quantities that combine to zero: word problems 7SP</li><li>3. Rational numbers: find the sign HSP</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Add integers using number lines A63</li><li>2. Add integers using counters FTM</li></ol>

## Week 5

### Adding and subtracting integers

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Integer addition rules ERH</li><li>2. Add integers QFU</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Subtract integers using number lines FGG</li><li>2. Subtract integers using counters BGL</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Integer subtraction rules QZA</li><li>2. Subtract integers HEU</li></ol>

# Week 6

## Adding and subtracting integers

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Integer addition and subtraction rules 6EV</li><li>2. Add and subtract integers FNS</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Add three or more integers PBC</li><li>2. Complete addition and subtraction equations with integers P6A</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Add and subtract integers: word problems 2DD</li></ol>

# Week 7

## Multiplying and dividing integers

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Understand multiplying by a negative integer using a number line NB8</li><li>2. Integer multiplication rules K7U</li><li>3. Multiply integers DQT</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Integer division rules T9Q</li><li>2. Divide integers CTV</li><li>3. Equal quotients of integers 2QY</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Integer multiplication and division rules 5R8</li><li>2. Multiply and divide integers R8D</li></ol>



## Week 8

### Operations with integers and rational numbers

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Complete multiplication and division equations with integers <small>K94</small></li><li>2. Add, subtract, multiply, and divide integers <small>B8A</small></li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Evaluate numerical expressions involving integers <small>7YN</small></li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Add and subtract positive and negative decimals <small>WCZ</small></li><li>2. Multiply and divide positive and negative decimals <small>K7V</small></li></ol>

# Week 9

## Operations with rational numbers

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Add and subtract positive and negative fractions SD2</li><li>2. Multiply and divide positive and negative fractions 2B5</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Add and subtract rational numbers GKU</li><li>2. Apply addition and subtraction rules Y8T</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Multiply and divide rational numbers BXW</li><li>2. Apply multiplication and division rules V5V</li><li>3. Identify quotients of rational numbers: word problems JT9</li></ol>

# Week 10

## Ratios and unit rates

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Identify equivalent ratios ZFM</li><li>2. Equivalent ratios: word problems DJ8</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Unit rates 2NB</li><li>2. Calculate unit rates with fractions 57X</li><li>3. Compare rates: word problems VVS</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Unit prices N7G</li><li>2. Unit prices: find the total price ENH</li><li>3. Unit prices with unit conversions KJ8</li></ol>

# Week 11

## Proportions

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Do the ratios form a proportion? MJQ</li><li>2. Do the ratios form a proportion: word problems SHV</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Solve proportions TDA</li><li>2. Solve proportions: word problems WB7</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Find the constant of proportionality from a table LKZ</li><li>2. Identify proportional relationships from tables 6V7</li></ol>

# Week 12

## Proportional relationships

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Coordinate plane review <small>VXU</small></li><li>2. Interpret graphs of proportional relationships <small>RMH</small></li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Identify proportional relationships by graphing <small>AAN</small></li><li>2. Identify proportional relationships from graphs and equations <small>NB5</small></li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Complete a table and graph a proportional relationship <small>5DR</small></li><li>2. Find the constant of proportionality from a graph <small>ZUT</small></li></ol>

# Week 13

## Proportional relationships and percents

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Write equations for proportional relationships from tables 6GU</li><li>2. Write equations for proportional relationships from graphs JKH</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Write and solve equations for proportional relationships VKK</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Convert between percents, fractions, and decimals 2HW</li><li>2. Estimate percents of numbers 29D</li></ol>

# Week 14

## Percents

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Percents of numbers and money amounts 93K</li><li>2. Percents of numbers: word problems EXE</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Solve percent problems using strip models 9XC</li><li>2. Solve percent equations 67F</li><li>3. Solve percent equations: word problems JS6</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Percent of change BL7</li></ol>

# Week 15

## Percents

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Percent of change: word problems 54S</li><li>2. Find the percent: tax, discount, and more PBM</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Estimate tips Y5R</li><li>2. Percent of a number: tax, discount, and more SPN</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Simple interest E7Y</li></ol>



# Week 16

## Percents

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Percent of change: find the original amount word problems RCM</li><li>2. Sale prices: find the original price BDA</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Which is the better coupon? QT6</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Multi-step problems with percents ZHX</li></ol>

# Week 17

## Scale drawings and variable expressions

Day	IXL skills
<b>Day 1</b>	1. Scale drawings: scale factor word problems KCM
<b>Day 2</b>	1. Scale drawings: word problems 84H 2. Perimeter and area: changes in scale ZC6
<b>Day 3</b>	1. Write variable expressions: word problems XMD 2. Evaluate linear expressions UG6

# Week 18

## Variable expressions

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Evaluate multi-variable expressions T56</li><li>2. Evaluate nonlinear expressions ZHY</li><li>3. Evaluate two-variable equations: word problems YJT</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Identify terms and coefficients E7H</li><li>2. Properties of addition and multiplication D6G</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Simplify expressions by combining like terms: with algebra tiles PCU</li><li>2. Simplify expressions by combining like terms JJG</li></ol>

# Week 19

## Variable expressions

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Multiply using the distributive property: area models J8K</li><li>2. Multiply using the distributive property NUY</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Factor linear expressions: area models QRL</li><li>2. Factors of linear expressions J9G</li><li>3. Sort factors of variable expressions BUX</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Add and subtract linear expressions 6BT</li></ol>

# Week 20

## Variable expressions

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Identify equivalent linear expressions using algebra tiles 38V</li><li>2. Write equivalent expressions using properties 6XR</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Identify equivalent linear expressions I DRB</li><li>2. Identify equivalent linear expressions II KAR</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Identify equivalent linear expressions: word problems KWH</li></ol>

# Week 21

## Solving equations

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Which <math>x</math> satisfies an equation? <small>DJS</small></li><li>2. Solve one-step equations <small>WKM</small></li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Model and solve equations using algebra tiles <small>EGK</small></li><li>2. Solve two-step equations without parentheses <small>CMX</small></li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Solve two-step equations with parentheses <small>NSH</small></li></ol>

## Week 22

### Solving equations and inequalities

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Solve two-step equations QEB</li><li>2. Solve equations: complete the solution 66R</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Solve two-step equations: word problems D2Y</li><li>2. Solve equations involving like terms VSW</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Solutions to inequalities 8BA</li><li>2. Graph inequalities on number lines VLU</li><li>3. Write inequalities from number lines JNL</li></ol>

# Week 23

## Solving inequalities

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Solve one-step inequalities QWH</li><li>2. Graph solutions to one-step inequalities TFK</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. One-step inequalities: word problems 6HD</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Solve two-step inequalities XGQ</li><li>2. Graph solutions to two-step inequalities 6TT</li></ol>



# Week 24

## Angles and triangles

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Name, measure, and classify angles 2UG</li><li>2. Lines, line segments, and rays JPE</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Identify complementary, supplementary, vertical, and adjacent angles HKG</li><li>2. Find measures of complementary, supplementary, vertical, and adjacent angles CST</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Graph triangles and quadrilaterals MEZ</li><li>2. Triangle inequality 5RX</li></ol>

# Week 25

## Area and circles

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Area of rectangles and parallelograms 62H</li><li>2. Area of triangles and trapezoids ENE</li><li>3. Area of compound figures with triangles MRG</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Parts of a circle 2VL</li><li>2. Circumference of circles KS7</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Area of circles YA8</li><li>2. Area of semicircles and quarter circles 2NM</li></ol>

# Week 26

## Circles and three-dimensional figures

Day	IXL skills
<b>Day 1</b>	1. Circles: word problems P56
<b>Day 2</b>	1. Area of compound figures with triangles, semicircles, and quarter circles N97 2. Area between two shapes RKC
<b>Day 3</b>	1. Bases of three-dimensional figures RF6 2. Cross sections of three-dimensional figures HFJ

# Week 27

## Volume and surface area

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Volume of cubes and prisms URT</li><li>2. Volume of cubes and rectangular prisms: word problems 8WV</li></ol>
<b>Day 2</b>	<ul style="list-style-type: none"><li>• <i>Coming soon:</i> Volume of prisms: advanced</li></ul>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Nets of three-dimensional figures 3R2</li><li>2. Surface area of cubes and prisms RFP</li></ol>

# Week 28

## Statistics and graphs

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Create and interpret line plots with fractions SHS</li><li>2. Interpret histograms XMF</li><li>3. Create histograms LGG</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Calculate mean, median, mode, and range U2A</li><li>2. Interpret charts and graphs to find mean, median, mode, and range CYK</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Calculate mean absolute deviation YNM</li></ol>

# Week 29

## Statistics and graphs

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Mean, median, mode, and range: find the missing number ZWS</li><li>2. Changes in mean, median, mode, and range 9UP</li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Calculate quartiles and interquartile range NZN</li><li>2. Box plots SKN</li></ol>
<b>Day 3</b>	<ol style="list-style-type: none"><li>1. Identify representative, random, and biased samples 5V3</li></ol>

# Week 30

## Probability

Day	IXL skills
Day 1	1. Estimate population size using proportions 3C9
Day 2	1. Probability of simple events ZZB
Day 3	1. Probability of simple events and opposite events F88 2. Probability of mutually exclusive events and overlapping events 8TP

# Week 31

## Probability

Day	IXL skills
Day 1	<ol style="list-style-type: none"><li>1. Make predictions using theoretical probability 9UW</li></ol>
Day 2	<ul style="list-style-type: none"><li>• <i>Coming soon:</i> Use collected data to find probabilities and make predictions</li></ul>
Day 3	<ol style="list-style-type: none"><li>1. Experimental probability 9AA</li><li>2. Make predictions using experimental probability WP6</li></ol>



# Week 32

## Probability

Day	IXL skills
<b>Day 1</b>	<ol style="list-style-type: none"><li>1. Find the number of outcomes: word problems <small>EKX</small></li><li>2. Compound events: find the number of outcomes <small>HZR</small></li></ol>
<b>Day 2</b>	<ol style="list-style-type: none"><li>1. Probability of compound events <small>YPQ</small></li><li>2. Compound events: find the number of sums <small>SCV</small></li></ol>
<b>Day 3</b>	<ul style="list-style-type: none"><li>• <i>Coming soon:</i> Which simulation represents the situation?</li></ul>