

# IXL Winter Adventures



## 6TH GRADE MATH

Keep up the studying this season with IXL Winter Adventures! Set out on a journey through math with 20 days of skills and activities, each with its own fun theme.

**Tip:** To quickly find each skill, type the three-character skill ID into the search bar at the top left of the page on IXL!

Day 1	The whole nine yards	<a href="#">Multiply whole numbers (ZCL)</a> <hr/> <a href="#">Divide whole numbers - 2-digit divisors (FL2)</a>
Day 2	Exploring exponents	<a href="#">Write multiplication expressions using exponents (TY5)</a> <hr/> <a href="#">Evaluate exponents (XDA)</a>
Day 3	In real time	Use the Real-Time Diagnostic for 20 minutes.
Day 4	Factor or fiction	<a href="#">Find all the factor pairs of a number (VTM)</a> <hr/> <a href="#">Greatest common factor (AMB)</a>
Day 5	Map-ematics	<a href="#">Maps with decimal distances (J7D)</a> <hr/> <a href="#">Coordinate planes as maps (N96)</a>
Day 6	Fair and square	<a href="#">Area of rectangles and squares (BE9)</a> <hr/> <b>Activity:</b> Draw a square with any side length. Find its area and perimeter. Draw a rectangle whose area is the same as the square. Find the perimeter of the rectangle. Draw a rectangle whose perimeter is the same as the square. Find the area of the rectangle.

Day 7	Multiplication madness	Multiply decimals (2WT) <hr/> Multiply two fractions (BNT)
Day 8	Integer investigation	Understanding integers (8EP) <hr/> Integers on number lines (K6J)
Day 9	A rewarding experience	Pick a challenge from your award board and try to earn it!
Day 10	Customary practice	Convert and compare customary units (9TJ) <hr/> Customary unit conversions involving fractions and mixed numbers (UHE)
Day 11	New look, same great ratio	Write a ratio (83K) <hr/> Write a ratio: word problems (SBQ)
Day 12	Tip the scales	Scaling whole numbers by fractions: justify your answer (9YZ) <hr/> <b>Activity:</b> Imagine that you have a shrink ray. If you set the size of your shrink ray to $\frac{1}{3}$ and zap yourself, how tall will you be in inches? What if you set it to $\frac{2}{5}$ instead? $\frac{3}{7}$ ?
Day 13	Divide and conquer	Divide whole numbers and unit fractions (DPA) <hr/> Divide decimals by whole numbers (NLL)



Day 14	Beyond the horizon	Pick two "Try something new" recommendations off your wall to explore!
Day 15	Unleash your creativity	Create and interpret line plots with fractions (QZP) Create bar graphs (J8V)
Day 16	No time like the percent	What percentage is illustrated? (RHG) Convert between percents, fractions, and decimals (ZAV)
Day 17	Turn up the ratio	Identify equivalent ratios (2LM) <b>Activity:</b> Go into your closet or dresser and take a look at your clothes. What is the ratio of shirts to pants? Short-sleeve shirts to long-sleeve shirts? Do any categories have a ratio of 2:3?
Day 18	Best guess	Estimate to solve word problems (GUU) Multi-step word problems: identify reasonable answers (PYW)
Day 19	Lost and found	Use logical reasoning to find the order (MGD) Find the number of each type of coin (F9P)
Day 20	Golden days	Pick two skills off your Recommendations wall to practice! For an extra challenge, master two "Go for gold" skills!