IXL Winter Adventures

7TH 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	**Stay positive**	Absolute value and opposite integers **(NSB)**
		Compare and order integers **(JX8)**
Day 2	**Check yourself**	Use the Real-Time Diagnostic for 20 minutes.
Day 3	**Let's get to the point**	Follow directions on a coordinate plane **(7WP)**
		Complete a table and graph a proportional relationship **(5DR)**
Day 4	**Incredible integers**	Add and subtract integers **(FNS)**
		Complete addition and subtraction equations with integers **(P6A)**
Day 5	**Go the extra mile**	Compare and convert customary units **(4B8)**
		Maps with decimal distances **(WT7)**
Day 6	**Open to interpretation**	Interpret graphs of proportional relationships **(RMH)**
		Interpret charts and graphs to find mean, median, mode, and range **(CYK)**
Day 7	**Level up**	Pick a challenge from your award board and try to earn it!

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Day 8	Let's give this 100%	Percents of numbers and money amounts **(93K)**
		Solve percent problems using strip models **(9XC)**
Day 9	**First-rate questions**	Calculate unit rates with fractions **(57X)**
		Activity: Time how long it takes you to do 10 jumping jacks. What is your jumping jack rate per minute? Check your guess by doing jumping jacks for a whole minute!
Day 10	**Fair and square**	Identify representative, random, and biased samples **(5V3)**
		Square roots of perfect squares **(WRT)**
Day 11	**Shopping savvy**	Which is the better coupon? **(QT6)**
		Estimate tips **(Y5R)**
Day 12	**Choose your own adventure**	Pick two skills off your Recommendations wall to practice!
Day 13	**It's all about perspective**	Nets of three-dimensional figures **(3R2)**
		Front, side, and top view **(9Q3)**
Day 14	**Boxing day**	Box plots **(SKN)**
		Volume of cubes and rectangular prisms: word problems **(8WV)**

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Day 15	**To go, please**	Find a restaurant menu or create your own. Choose your meal and add up the cost. Then add in 8% tax and 20% tip. What is your total?
Day 16	**Incredible integers: take II**	Equal quotients of integers **(2QY)** Add, subtract, multiply, and divide integers **(B8A)**
Day 17	**Merry-go-round**	Rotational symmetry **(7HK)** Rotational symmetry: amount of rotation **(QFV)**
Day 18	**This joke is hil-areas**	Area of rectangles and parallelograms **(62H)** Area of triangles and trapezoids **(ENE)**
Day 19	**To scale, or not to scale**	Scale drawings: word problems **(84H)** **Activity:** Create a scale drawing of your dream bedroom. Include everything from your bed to the windows. Use actual measurements whenever you can!
Day 20	**Mystery number**	Number sequences: mixed review **(BKY)** Mean, median, mode, and range: find the missing number **(ZWS)**