













IXL Summer Adventures



RIISING 8TH GRADERS



Sprinkle in some learning this summer with IXL Summer Adventures! Each set of skills has a fun theme that will inspire you to explore topics in math, language arts, science, and social studies.















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

















Day 1	Where to?	 Maps with fractional distances (KXP)
		 Formatting street addresses (UUS)
		 Select parts of a topographic map (EH7)
		 Identify and select countries of South America (FJL)
Day 2	Solving problems	 Estimate to solve word problems (MQ6)
		 Multi-step word problems with positive rational numbers (JVU)
		 Match problems with their solutions (BHK)
		 The Constitutional Convention (FNH)
Day 3	Quote the author	 Identify plagiarism (5B7)
		 Match the quotations with their themes (XJK)
		 Identify supporting details in literary texts (W8V)
		 Source analysis: the Gettysburg Address (MT2)



Day 4	Exponents and experiments	 Solve equations with variable exponents (LSA)
		 Understanding negative exponents (YBB)
		 The process of scientific inquiry (WQJ)
		 Understand an experimental protocol about diffusion (8E2)
Day 5	Elementary, my dear	 Commas with nonrestrictive elements (RAL)
		 What are atoms and chemical elements? (VZE)
		Activity: Pick an element from the periodic table. Research it online or in a book. Where is it found in nature? What do people use it for? Can you find it in your house?
Day 6	Economic solutions	 Multi-step problems with percents (ZHX)
		 Simple interest (E7Y)
		 What is economics? (GPQ)
		 What is a market? (8ED)
Day 7	Don't be so negative	 Positive and negative connotation (45Q)
		 Add integers using number lines (A63)
		 Add three or more integers (PBC)
		 Evaluate numerical expressions involving integers (7YN)

Day 8	Punnett squares and circles	 Complete and interpret Punnett squares (SHF)
		 Use Punnett squares to calculate probabilities of offspring types (K54)
		 Circles: word problems (P56)
		 Semicircles: calculate area, perimeter, radius, and diameter (SMW)
Day 9	Are they the same?	 Identify equivalent linear expressions using algebra tiles (38V)
		 Identify equivalent linear expressions I (DRB)
		 Analogies (HJQ)
		 Determine the meaning of words using synonyms in context (R5L)
Day 10	Find your purpose	 Identify the author's purpose (H9H)
		 Identify appeals to ethos, pathos, and logos in advertisements (7BT)
		Activity: Find examples of ethos, pathos, and logos in advertisements in magazines, newspapers, or online.
Day 11	Rational rationale	 Put rational numbers in order (28Y)
		 Add and subtract rational numbers (GKU)
		 Choose evidence to support a claim (5GN)
		 Classify logical fallacies (GFC)

Day 12	Claim your independence	<ul style="list-style-type: none">  Identify independent and dependent events (9M6)  Probability of independent and dependent events (NED)  The Enlightenment: influences on government (5F2)  Source analysis: the Declaration of Independence (25C)
Day 13	Greek vacation	<ul style="list-style-type: none">  Classical Athens: geography and society (UWZ)  Classical Athens: government and culture (GHS)  Use words as clues to the meanings of Greek and Latin roots (MCB)  Pythagorean theorem: find the length of the hypotenuse (7ZL)
Day 14	Figurative figures	<ul style="list-style-type: none">  Interpret figures of speech (D9X)  Interpret the meaning of an allusion from its source (VNX)  Similar and congruent figures (U85)  Side lengths and angle measures of similar figures (79Y)
Day 15	It's just a formality	<ul style="list-style-type: none">  Which sentence is more formal? (ZXT)  Compare two texts with different genres (W7Z) <p>Activity: Think about an important event from your life. Then, write two different accounts of the event: one as a newspaper article, and one as a diary entry or letter to a friend.</p>

Day 16	Once in a blue moon	 Identify an outlier (G95)
		 Outliers in scatter plots (RP8)
		 Identify phases of the Moon (7L5)
		 Lunar eclipses (4V8)
Day 17	Know your rights	 Pythagorean theorem: find the missing leg length (Y9C)
		 Converse of the Pythagorean theorem: is it a right triangle? (EQZ)
		 The Constitution: amendments (WMP)
		 Rights and responsibilities of active citizenship (FVG)
Day 18	Commas and colonies	 Commas with compound and complex sentences (U65)
		 Use semicolons and commas to separate clauses (VQC)
		 Life as a colonist (PQL)
		 New England Colonies: founding and government (42N)
Day 19	Transformations and transportation	 Identify reflections, rotations, and translations (7MB)
		 Translations: graph the image (XUS)
		 Industrial and Transportation Revolutions (DKM)
		 Industrialization in the Gilded Age (ZFA)

Day
20

Scale it down



Scale drawings: word problems (84H)



Scale drawings: scale factor word problems (KCM)

Activity: Pick a room in your home and make a scale drawing. Use a separate piece of paper to cut out scale pieces of furniture. Use your model to experiment with rearranging the room!