IXL Summer Adventures

IXL

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 left 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 **(JVU)**
		Match problems with their solutions **(BHK)**
		The Articles of Confederation **(8X4)**

Day 3	Quote the author	Identify plagiarism **(5B7)**
		Compare passages for tone **(6RG)**
		Identify supporting details in literary texts **(W8V)**
		Source analysis: the Gettysburg address **(MT2)**

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Day 4	Exponents and experiments	Solve equations with variable exponents **(LSA)**
		Understanding negative exponents **(YBB)**
		Identify steps of the scientific method **(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)**

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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 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)**

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Day 12 — Claim your independence

Identify independent and dependent events **(9M6)**

Probability of independent and dependent events **(NED)**

The Revolutionary War: struggle for independence **(L5C)**

Source analysis: the Declaration of Independence **(25C)**

Day 13 — Greek vacation

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

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

Which sentence is more formal? **(ZXT)**

Compare two texts with different genres **(W7Z)**

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.

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Day 16 — Once in a blue moon

- Identify an outlier **(G95)**
- Outliers in scatter plots **(RP8)**
- Analyze models of the Earth-Sun-Moon system **(6D7)**
- Identify phases of the Moon **(7L5)**

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 Bill of Rights **(NA5)**
- 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

- Describe a sequence of transformations **(XPK)**
- Translations: graph the image **(XUS)**
- Industrial and Transportation Revolutions **(DKM)**
- Industrialization in the Gilded Age **(ZFA)**

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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!