

IXL Summer Adventures



RISING 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 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 with positive rational numbers (**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**)

Day
4Exponents 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
5Elementary, 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
7Don'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
8Punnett squares
and circlesComplete 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**)

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.

Day
16Once in a blue
moonIdentify 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
18Commas and
coloniesCommas 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
19Transformations
and transportationSequences of congruence transformations: choose the
sequence **(WBS)**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!