

ADVANCED LEARNING LABS

Collaboration between NC Department of Public Instruction and AIG Teachers across the state

TO ENGAGE, ACTIVATE, AND GROW OUR STUDENTS

GRADES

K-1

Growth



ENGLISH LANGUAGE ARTS

As people grow, they change. Sometimes big events bring changes to our lives and these changes lead to growth.

Choose one big event and write a story about how it changed your life. Events might include getting a new sibling, moving, starting a new school, getting a new pet, the impact of the coronavirus, or anything else you think changed your life. Be sure to explain how the change happened, include details about the big event, and use transition words like "then" or "next." In your conclusion, explain how the event changed your life.

Save your writing and revisit it at a later time as a reminder of how you have changed and grown over time.



SOCIAL STUDIES

You are growing every day!

A timeline shows what happens over time. Make a timeline of your life. Draw a straight line. On the left end of the line, mark the beginning with the year and day you were born. On the right end of the line, write today's date. Fill in the middle with at least 5 events from your life that caused you to change or grow.

Decorate and illustrate your timeline. Give it a title.

- Reflecting on your timeline, what big statement can you make about how you have grown?
- How has your growth affected other people in your life?



SCIENCE

To grow and survive, animals need air, water, food, and shelter; plants need air, water, nutrients, and light.

Make a list of plants and a list of animals. You can add pictures or go on a scavenger hunt to find living things in nature to add to your list.

- Group these plants and animals into categories. Name the categories.
- Think of a different way to categorize the plants and animals on your list.
- What big statement can you make about living things based on what you have learned?

Consider what you have learned during this activity about plants and animals. How are the needs of plants and animals similar and different?



MINDFULNESS

How does a tree change as it grows?

Stand tall like a tree. Imagine that your feet are rooted into the ground to hold you in place. Your legs are the tree trunk and your arms are the branches.

First imagine you are just a sapling (baby tree), and a gust of wind comes along. How would you move? Now imagine you are an old tree, and a gust of wind comes. How would you move?

- How does your body move naturally versus how it moved as a tree?
- How did the baby tree move differently than the old tree?
- How do you move differently as you grow?

Growth



LOGIC PUZZLE

Five students were eating apples to help them grow to become strong! Who finished eating their apple first?

- Ali finished before Ben, but behind Carlos.
- Dan finished before Emani, but behind Ben.
- What was the finishing order?

Use positional terms to help you, such as "in front of," "first," "last," and "behind."

Who finished first, second, third, fourth, and fifth?



FIELD STUDIES

We need food to grow! Apples are a fruit that we eat as part of a healthy diet. Let's take a trip to an apple orchard using this link: <https://www.farmfood360.ca/en/apple-orchard/360-video/>

During your time at the apple orchard, be sure to watch the video "Apples and Mother Nature."

Consider these questions as you go on your journey:

- What threats are there to an apple's growth?
- What other threats does the farmer not mention?
- What do you think an apple needs to grow?
- What are the similarities and differences between what you need to grow and what an apple needs to grow?



RESEARCH EXPLORATIONS

Living things grow in most places on Earth. Specific habitats have different plants and animals. Use this link to learn about living things in different habitats: <https://kids.nationalgeographic.com/explore/nature/habitats/>

Select two habitats. List animals and plants that grow in each habitat. Pick an animal or plant that grows in one of your habitats but not in the other.

- Why does this living thing struggle to grow in one location, but thrive in another?
- Which habitat would you like to visit? Why?
- Which habitat would be best suited for your own survival and growth?

Challenge: Create an illustration of yourself in one of the habitats. Include things you would need to grow and thrive.



MATH

Consider how the class's pet snake is growing!

1. It was 14 inches long. It grew 3 more inches. How long is it now?
2. It was 14 inches long. It grew a few more inches. Now it is 17 inches long. How many inches did it grow?
3. It grew 3 more inches. Now it is 17 inches long. How long was it to start?

Extension:

- How many inches taller are you than the pet snake at its longest point?
- Write your own problem about an animal growing.



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GRADES

2–3

Growth



ENGLISH LANGUAGE ARTS

Characters that grow and change over the course of a story are often the most interesting. Authors can teach us about a character through physical descriptions and by what the character says, does, thinks and feels.

Think of a fictional story where a character has changed over the course of the story. Consider ways people can change and write a story in which a character changes over the course of the narrative.

How is that change reflected in the behavior of the character? How has that character shown growth in his/her actions and behaviors?



SOCIAL STUDIES

Communities grow and change over time depending on different factors and events. Some differences are more obvious than others. Review the data for the 15 fastest growing cities in the United States between 2018-2019. Why do some cities experience such rapid growth in a short period of time?

Data link: <https://www.census.gov/library/visualizations/2020/demo/fastest-growing-cities-2010-2019.html>

Create a T-chart and list reasons a city or local area's population may grow on one side of the chart. For example, growth may come from new businesses or more homes being built.

On the other side, list reasons why a city or local area's population may decrease. Share your findings with a family member.



SCIENCE

Blowing bubbles is like sneezing in slow motion. Blow some bubbles and notice how they travel and where they land.

Do you notice a pattern in how they travel and spread? How is this similar to sneezing? In what ways is sneezing different? Can you think of another way to model how a sneeze travels?

Based on your observations, explain why our hygiene practices such as washing hands, and covering the mouth when coughing or sneezing when we are sick are effective in reducing the spread of germs.

You can make bubble solution with 1/4 cup of dish soap and 1 1/2 cups of water.



MINDFULNESS

Have you ever made a mistake? Believe it or not, making mistakes is a very important part of learning. When you make a mistake, you have the unique opportunity to learn and grow from that mistake.

Reflect on the school year and identify two mistakes that you made. What did you learn from these mistakes? How would you do things differently now?

Share what you learned with an adult whom you love. Give them the opportunity to share with you about lessons they have learned from making mistakes.

Growth



LOGIC PUZZLE

Decode the Fallen Letters

Uncover the joke in this puzzle by placing the correct letters into each square. The list of available letters is given at the bottom of each column.

Follow this link: <https://bit.ly/3e68XSY>



FIELD STUDIES

M & M's candies were first introduced in 1941 and at one point were only sold to the military. Since their introduction, they have grown to become a staple in the candy industry. Watch the 360 video tour at this link to learn how M & M's candy is made:

https://youtu.be/GtfkemNzG_I

Why do you think M & M's candy has grown in popularity since it was created? How has technology improved the way they have made the candy over the years?



RESEARCH EXPLORATIONS

What conditions are best for growing a fruit or vegetable?

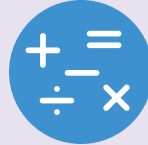
Pick one food that you can grow from leftover scraps and seeds that you have access to or can find at home.

Link: <https://www.buzzfeed.com/jesseszewczyk/16-food-scrap-that-you-can-regrow>

Try to grow three samples of that food under different conditions. The "traditional" way uses sun, water, and soil. Then change one condition for each of the other two plants – for example, provide more/less sunlight or water to one, or play music for one every day.

Predict what the food growth under each condition might be after three weeks. Every three days, record what you see for each sample.

After three weeks, write what conclusions you can draw about growth, based on your experiment. How are the results similar or different from your prediction?



MATH

Salt Dough can be used to make keepsakes, such as a model of your handprint, that show how much you have grown.

The recipe is simple: 2 cups of flour, 1 cup of salt, 1 cup of water. One batch makes 24 keepsakes.

You want to make the dough, but you only have 1/2 cup of salt. How much flour and water should you use?

You have 36 people for whom you want to make keepsakes. By how much do you grow the recipe?

Extension: With an adult's help, use the recipe and directions at this link to make and bake a keepsake of your own: <https://www.yummytoddlerfood.com/activities/the-best-salt-dough-ornaments/>



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GRADES

4–5

Growth



ENGLISH LANGUAGE ARTS

Characters that grow and change are often the most interesting. Authors teach us about a character through physical descriptions and by what the character says, does, thinks and feels.

Select a favorite short story or book in which there are at least two characters that change and grow over the course of the narrative. Compare the ways in which their growth is described by the author.

Compose an essay comparing and contrasting two or more characters. Include how the events in the story contribute to the growth of the characters, and how each characters' growth is reflected in his/her actions or behaviors.



SOCIAL STUDIES

Populations grow and change over time depending on different push and pull factors.

Push factors are the different reasons that people leave a place and pull factors are reasons that people go to a new place to live.

What pull factors are there in your local area? What may be push factors where you live?

Interview 10 friends, family members, or neighbors who have moved in their lifetimes to find out why their families moved. Create a graph for the push and pull factors.



SCIENCE

How do you think sneezing and touching can pass diseases?

Design a model of how one sick person who has only been in close contact with 2 people can pass their illness to 8 others. Predict what would happen with more contact and interactions.

What purpose do skin and nose hair serve to protect us from illness? Why is it recommended to use hand washing and wearing masks to protect us, if skin and nose hairs are also working to protect us?

For an example of how sneezing can spread germs, view the link below: https://docs.google.com/document/d/1ub3Z_VEHEnSeHuxd7he4xHBxrTsExwzTa_JhFsXTWYw/edit?usp=sharing



MINDFULNESS

A “growth mindset” means believing your abilities can improve through your will to learn and hard work.

Print or draw a copy of the image at this link to complete at the end of each day this week: <https://tofasakademi.com/wp-content/uploads/2019/06/growth-mindset3.png>

On the soil or roots in the image, write 3 specific things that you learned that day. On a stem, write 2 specific things that you want to learn. Lastly, on a leaf write 1 specific question you still have. Reflect on how much you have grown during the week!

Learn about growth mindset from Dr. Carol Dweck, the researcher who developed the idea, as well as entertainer John Legend: <https://bit.ly/3c3rgXI>

Growth



LOGIC PUZZLE

Decode the Riddle

Uncover the riddle in this puzzle by placing the correct letters into each square. The list of available letters is given at the bottom of each column.

Follow this link: <https://bit.ly/2LPePUk>



FIELD STUDIES

M & M's candies were first introduced in 1941 and at one point were only sold to the military. Since their introduction, they have grown to become a staple in the candy industry. Watch the 360 video tour at this link to learn how M & M's candy is made: https://youtu.be/GtfkemNzG_I

Why do you think M & M's candy has grown in popularity since it started? What is an example of another product that has grown in success over the past 20 years? To what do you attribute product growth?

For more information about M & M candy, see this article: <https://www.history.com/news/the-wartime-origins-of-the-mm>



RESEARCH EXPLORATIONS

What conditions are best for growing a fruit or vegetable in your home?

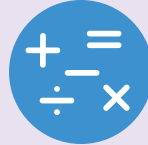
Pick one food that you can grow from leftover scraps and seeds that you have access to or can find at home.

Try to grow three samples of that food in different ways. Traditionally, we use sun, water, and soil to grow food. Try two other ways that alter one of those conditions such as providing more/less sunlight or water, type of music played, etc.

Predict what the food growth under each condition might be after three weeks. Every three days, record what you see for each sample.

After three weeks, write what conclusions you can draw about growth based on your experiment.

How do your predictions compare to your conclusions?



MATH

As a growing child, you probably eat a lot of pizza. Pizza dough has 7 ingredients: 2 cups flour, 1 package of yeast, 1 1/2 tsp sugar, 3/4 tsp salt, 1/8 tsp garlic, 2 tbsp oil, 3/4 cup water. One batch makes one 12-slice pizza.

You're very hungry and want 4 pizzas. How much of each ingredient do you need? If you have 1 cup of flour, how does the recipe change? What do you need to make 3 slices for each person in your house? How many pizzas is that?

Extension: At home with adult help, try the recipe found at this link: <https://sugarpunrun.com/the-best-pizza-dough-recipe/>



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GRADES

6–7

Growth



ENGLISH LANGUAGE ARTS

Intellectual curiosity allows you to take an active role in life by observing and questioning your environment.

There are several components of intellectual curiosity: curiosity, independent thinking, concentration, focus, auditory memory, and visual memory.

Carefully consider each of these components and describe which you believe is the most important to have. Also consider your own level of competence for each component. To help you think about and write about which is most important to have, create a rating scale and rate each component for yourself and for other roles in society, such as teachers, scientists, and doctors.

What can individuals do to cultivate a lower-rated component? Create either a written argumentative essay, multimedia presentation, or infographic to express your ideas.



SOCIAL STUDIES

Population growth and decline is important for government officials and demographers to track. Population data can show everything from famine, war, and times of large growth.

Watch this video to understand more details about what we can learn from population pyramids and how the pyramid is set up.

Now, create your own pyramids. The first step is to gather the data. Tip: Use the link below for data already compiled. Draw your two pyramids and determine the differences between the two pyramids.

From the data, which country is more developed and why?

Review the link below for an example of a population pyramid data set. <https://docs.google.com/spreadsheets/d/1Df9nSNBROw83Lstzgl-u07rIzM9rhG4H1qEMNUylqM/edit#gid=0>



SCIENCE

The 1918 flu was deadly and unique, not only in virulence, but also by whom was affected.

Review the graph of the 1918 death rate by age group compared to the seasonal flu bug in previous years at this link: <https://wwwnc.cdc.gov/eid/article/12/1/05-0979-f2>

What do you notice? Predict how that death rate affected the population growth long term.

Based on your predictions, what do you think would be the impact on society?



MINDFULNESS

A “growth mindset” means believing your abilities can improve through a willingness to learn and hard work.

The graphic at this link compares growth vs. fixed mindset: <https://bit.ly/2yU32S3>

Create a T-chart to sort examples of each mindset. On the fixed side, write one specific example for each aspect listed (ex: Challenges, obstacles, etc.) of a time when you acted with a fixed mindset and what you could have done differently from a growth perspective. On the growth side, write one specific example (for each) of how you will act with a growth mindset this week.

Learn about growth mindset from Dr. Carol Dweck, the researcher who developed the concept, as well as entertainer John Legend. <https://bit.ly/3c3rgXI>

Growth



LOGIC PUZZLE

Quote Square:

"I've never thought of that!"

Use investigation and process of elimination to reveal what that statement means.

Follow this link: <https://bit.ly/35SBJn7>



FIELD STUDIES

New York City has one of the most recognizable skylines in the world. Today we will take a tour to look at how NYC's skyline grew into what we see today.

Watch this video from Bloomberg that focuses on the Equitable Building: <https://www.youtube.com/watch?v=IGroIrQmwyw>

Zoning resolutions guide the growth of a city or town through regulations. Do you think that cities should enforce zoning laws? Explain why or why not?

Design and draw your own city skyline and include your own zoning laws.



RESEARCH EXPLORATIONS

What conditions are best for growing food at home?

Pick one food that you can grow from leftover scraps and seeds that you have access to or can find at home.

First research what conditions are best for that plant to grow. Try to grow three samples of that food, changing one condition three ways: the "traditional" way, using sun, water, and soil, and altering that one condition by providing more/less sunlight or water, type of soil or water, temperature, etc.

Predict what the food growth under each condition might be after three weeks. Choose three ways to measure how well they grow over three weeks and record those measurements daily.

What conclusions can you make about growth after three weeks, based on the data? How do your predictions compare to your conclusions?



MATH

Why do people easily spend \$5 on a frozen pizza but don't take advantage of a 3 for \$12 special when each pizza is actually \$1 less? Last year, Clark.com did a Target vs. Walmart price comparison.

Link: <https://clark.com/shopping-retail/target-walmart-price-comparison/>

Review the website and make a chart, or use a spreadsheet, to find the unit price for each item. Find the item on [target.com](https://www.target.com) and [walmart.com](https://www.walmart.com) and record the current unit price.

How have the rates changed? How might a pandemic impact pricing? Why is unit rate not the only factor in consumer purchasing decisions?



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GRADES

8–9

Growth



ENGLISH LANGUAGE ARTS

Extinction of a species is both natural and man-made. As the human population grows, resource consumption and habitat loss are inevitable. Research multiple causes of extinction across biomes, including human-to-environment interactions. What alternatives would you propose to mitigate habitat loss and prevent or minimize extinction?

Create a visual presentation that showcases two critical cases from your research of extinction and present your solutions.

Make sure to check your sources for accuracy and cite them in your presentation. Share your presentation with a friend and family member and ask them what they notice and wonder about what is being represented.



SOCIAL STUDIES

Throughout time, technology has evolved, and populations have grown as cities became larger.

Play the Urban Game to help simulate how cities have grown since the 18th century. There are a few versions of this game online, but the link below explains all the steps in great detail. Once you have developed your city, answer the following questions:

What struggles do you think people in your city would have with the layout? How does your city benefit from this design? How are cities that are founded after 1950 different?

Link: <https://geographyeducationdotorg.files.wordpress.com/2017/06/industrialization-game-analysis.pdf>



SCIENCE

Infectious diseases grow exponentially based on the number of people one sick person will likely infect, the R0 value. Compare that to the percentage of people who die from the disease once infected, the case fatality rate (CFR). Examine The Microbe-scope graph at this link: <https://bit.ly/2XeTwAQ>

What do you notice? What trends do you see? What questions would you need to research to investigate whether these trends apply more widely?

Initially the coronavirus was thought to have an estimated R0 range 2-3 and CFR 1.3-5%, how do these fit in with your trends?



MINDFULNESS

One key to success is having a Growth Mindset - believing that you are in control of your own ability and can learn and improve! The graphic at this link compares growth vs. fixed mindset: <https://bit.ly/2yU32S3>

How can you apply a growth mindset this week by being mindful of the things you say to yourself when you are frustrated or upset?

Instead of thinking...

- This is too hard—Try this— I can do hard things!
- I'm not smart enough—Try this— I'm getting smarter every day!
- That was a dumb mistake—Try this— Mistakes help me grow!

Study more about a Growth Mindset and begin to work toward making it a life skill.

Growth



LOGIC PUZZLE

Quote Square:

"I've never thought of that!"

Use investigation and process of elimination to reveal what that statement means.

Follow this link: <https://bit.ly/2Ztnd4d>



FIELD STUDIES

The stock market experiences periods of rapid economic growth and decline. Throughout the history of the United States there have been numerous depressions and periods of growth. However, for many, the Stock Exchange is a mysterious place.

Follow the video tour with the President of the New York Stock Exchange at this link: https://www.youtube.com/watch?v=lqhib_8h0tc

What role does the Stock Exchange play in globalization? Why do companies work to want an evaluation and a place on the Stock Exchange?



RESEARCH EXPLORATIONS

What conditions are best for growing food at home?

Pick two foods that you can grow from leftover scraps and seeds that you have access to or can find at home.

First research what conditions are best for those plants to grow. Try to grow each of those foods changing one condition three ways: the "traditional" way (using sun, water, and soil) and altering that one condition (more/less sunlight or water, type of soil or water, temperature, etc.).

Predict what the food growth under each condition might be after three weeks. Choose three ways to measure how well they grow, and measure daily. Record your observations.

What conclusions can you make about growth after three weeks, based on the data, and how does it differ by plant? How do your predictions compare to your conclusions?



MATH

You have explored linear equations and possibly quadratic and exponential equations. Now, explore these and other types of equations to create a virtual art piece.

Use the blank graph on [desmos.com](https://www.desmos.com) to create your design. Create equations and use {brackets} to add domain and range to enhance the details of your design. For inspiration check out the art gallery.

Graphing Link: <https://www.desmos.com/calculator>

Art Gallery Link: <https://www.desmos.com/art>



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GRADES
10-12

Growth



ENGLISH LANGUAGE ARTS

Read the words of Dr. Martin Luther King, Jr.:

- *"I have decided to stick with love. Hate is too great a burden to bear."* From his sermon at the 11th annual SCLC in Atlanta, Georgia.
- *"Injustice anywhere is a threat to justice everywhere."* - "Letter from a Birmingham Jail"
- *"In the process of gaining our rightful place we must not be guilty of wrongful deeds."* - "I Have A Dream" speech

Select two of the quotes and read the entire script of the sermon, letter, or speech. Analyze the differences and similarities between how Dr. King approaches the same theme with each text.

Discuss what you have learned with family or friends and answer the following question: How can knowing our past prosper growth for our future as a nation?



SOCIAL STUDIES

"The Star Spangled Banner" is more than just a song. It is the name of the famous American flag that inspired our National Anthem. The flag is on display at the Smithsonian Museum of American History. Learn about the symbolism and history of this national artifact using this link:

<https://amhistory.si.edu/starspangledbanner/>

Analyze the National Anthem for its historical meaning and symbolism. Prepare for a classroom debate to support your stance of whether or not the anthem has helped us grow or unify as a nation. As you prepare for your debate, consider the following:

- Evidence to support your opinion.
- High-quality information from reputable sources.
- Arguments created using your research.



SCIENCE

Aviation was born in Kitty Hawk, NC and has grown into a multi-million-dollar industry that impacts the entire world. Orville Wright made the first successful flight on December 17, 1903 traveling 120 feet in 12 seconds.

Using the Wright Brothers flight simulator at the website below, attempt to fly the first plane: <http://smithsonianeducation.org/flight3/index.html>

Create a graph recording the headwinds, time, and distance for each of your flights.

- What conclusions can you draw about these variables?
- How did the velocity of the flight affect the distance?
- What role did the headwinds play in the time?



MINDFULNESS

Your body needs protein, fat, carbohydrates, vitamins, and minerals for proper growth and development. Healthy eating habits are essential for older teens and adults who rely on nutrients for lean tissue development and cell growth.

PickYour Plate! A Global Guide to Nutrition is a game that will help you learn about building healthy meals while using nutritional guidelines from other countries. Have some fun exploring meals from America, Australia, Lebanon and other places: <https://ssec.si.edu/pick-your-plate>

Create a family meal plan for next week, being sure to include healthy eating habits that align with the Global Guide to Nutrition. For fun, create your weekly meal plan based on the dietary guidelines of another country.

Growth



LOGIC PUZZLE

According to jigsaw puzzle makers, Perfect Fit: "Playing with jigsaw puzzles helps to enhance mental and intellectual growth."

Piece together jigsaw puzzles of iconic portraits from the National Portrait Gallery. Choose a favorite, and then choose the number of puzzle pieces you want to tackle. Drag and fit the pieces together to watch the portrait grow!

<https://www.jigsawplanet.com/smithsoniannpg/the-portraits>



FIELD STUDIES

NASA's Chandra X-ray Observatory is a telescope specially designed to detect X-ray emission from very hot regions of the universe such as exploded stars, clusters of galaxies, and matter around black holes. From this telescope you can watch galaxies collide, and stars survive collisions with black holes.

Peruse the student page by clicking on the Chandra website: https://chandra.harvard.edu/index_students.html

Select 'Galaxies' then explore the photos, animations, and podcasts about our ever-expanding universe.

After exploring this information, create 10 follow-up questions that you still have for scientists about our expanding universe.



RESEARCH EXPLORATIONS

What is the difference between an epidemic and a pandemic? Find out by exploring here:

<https://www.britannica.com/video/215272/Top-questions-answers-epidemic-versus-pandemic>

Research the ways an epidemic can grow into a pandemic using the Center for Disease Control (CDC) website: <https://www.cdc.gov/globalhealth/healthprotection/fieldupdates/winter-2017/why-it-matters.html>

Explore three pandemics that have impacted our world in the past century. How can learning about these pandemics help our research regarding future pandemics? Create a pamphlet explaining how these past epidemics have grown into worldwide problems.



MATH

Mathematicians often use sinusoidal curves on a graph to show growth. Using graph paper or the online Desmos calculator, create a sinusoidal curve.

Maximum and minimum average daily temperatures of two cities are shown below:

City	January 15 (15th day)	July 16 (197th day)
Montreal, Quebec	-10 C	21 C
Orlando, Florida	15 C	28 C

a. On the same graph, sketch a sinusoidal curve (day of the year, temperature) for each city and create an equation to represent each curve.

b. Explain differences between the curves and any correlations you see in the temperature growth.



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GRADES

K-12

Growth Reference Guide

K-1 Logic Puzzle:

Solution:

In order, first through fifth:

Carlos, Ali, Ben, Dan, Emani

Research Explorations:

Link for All:

<https://www.buzzfeed.com/jesseszewczyk/16-food-scrap-that-you-can-regrow>

Additional 4-5 Link: <https://empresofdirty.net/regrow-vegetable-scrap/>

Additional links for All: <https://www.ruralsprout.com/regrow-vegetables/>

2-3 Math

Recipe Link: <https://www.yummytoddlerfood.com/activities/the-best-salt-dough-ornaments/>

4-5 Math

Recipe Link: <https://sugarspunrun.com/the-best-pizza-dough-recipe/>

2-3 Answers:

With a 1/2 c of salt, you need 1 c of flour and 1/2 cup of water. If you need 36 keepsakes, you need 1 1/2 times the ingredients - 3 c flour, 1 1/2 c salt, 1 1/2 c water.

4-5 Answers:

To make 4 pizzas, you need 4 times each ingredient - 8 c flour, 4 packages of yeast, 6 tsp/2 tbsp sugar, 3 tsp/1tbsp salt, 1/2 tsp garlic, 8 tbsp oil, 3 c water. With 1 c flour, you need to cut all ingredients in half - 1/2 package yeast, 3/4 tsp of sugar, 3/8 tsp salt, 1/16 tsp of garlic, 1 tbsp oil, 3/8 c water.

10-12 Logic Puzzle:

Online jigsaw puzzles <http://www.jigsawplanet.com/smithsoniannpg/the-portraits>