

Activity: Cheeseburger Map

Activity Level: Basic

Source: Adapted from Indiana Farm Bureau’s “Exploring Planet Pizza”

Purpose

Use a map to answer questions about locations and distances

Example Topics It Supplements

Math—addition; basic map skills (reading a legend, etc.)

Activity Snapshot

1. Organize and Prepare Supplies
2. Read Background Information
3. Interest Approach
4. Conduct Activity
Provide “Cheeseburger Map” and “Cheeseburger Map Activity” handouts to each student. Have them complete the map and direction questions using the map provided. Review answers as an entire class.
5. Ask follow up questions and make the connection to agriculture.
 - What agricultural products were represented on the map?
 - Why is knowing where our food is produced important?
 - In what ways is it important to know how our food is transported?
 - What information will you share from doing the Cheeseburger Map with your family and friends?

State Standards It Supports

SS 2.3.1.c—Identify map elements.
SS 3.3.1.a—Utilize map elements.
SS 3.3.1.b—Apply map skills.
MA 2.2.3.a—Solve real-world problems involving addition and subtraction within 100 in situations of addition and subtraction.

Materials

- Handout “Cheeseburger Map”—1 per student
- Handout “Cheeseburger Map Activity”—1 per student

What’s the Connection to Agriculture?

Every part of a cheeseburger is produced in agriculture. Each piece is individually produced and then we as consumers assemble it into the delicious cheeseburgers we eat. Each part of a cheeseburger may be produced in many different locations and are transported from the field, to processing, to store, to consumer. It’s important to know agriculture products are transported throughout our state and the U.S. and that maps help people efficiently get products where they need to be.

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PROCEDURES:

1. Organize and Prepare Supplies
See “Materials” on cover page.

2. Background Information

Agricultural products are produced in every county in Nebraska. Once harvested, the grains, meat, or other products need to be transported to a facility for processing and packaging and eventually to stores where consumers can purchase them. Those places are typically not in the same location! Agricultural products may be moved by rail cars and even more often by truck transport. Transportation of products involves understanding and interpreting maps to know how to get items efficiently to their destination. This activity will help students learn basic map reading skills which can be connected to the need to transport agricultural products.

3. Interest Approach

Ask students to name all the ingredients that make up a cheeseburger. *Expected responses: bun, hamburger, cheese, pickles, ketchup, mustard, lettuce, onion, bacon, etc.)*

Where do those ingredients come from (originate)? *Bun: wheat; hamburger: beef; cheese: dairy cows; pickles: cucumber; ketchup: tomatoes; mustard: mustard seed; lettuce and onion: lettuce and onion; bacon: hogs.*

Farmers produce all of our food. Agricultural products are then transported from the farm to a place where they are processed (i.e. wheat becomes wheat meal to make flour for the buns), then to a store, then to us as consumers. It is important that we know and understand not only where our food comes from, but that it also is moved many times until we prepare and eat it.

How do you think our food is moved from one place to another? *Expected responses: truck, railroad, airplane, boat, etc.*

A lot of our food and food products are moved by semi-trucks. What resource or tool helps the person driving a truck know how to get from one place to another? *A map!*

4. Conduct Activity

- a) Explain to students they will be using their map skills to read and interpret the Cheeseburger Map. The locations, roads, and rivers on the map are all named after agriculture and ingredients that go on a typical cheeseburger. Use your map reading, math, and agricultural skills to complete the worksheet.
- b) Distribute handouts to students (Cheeseburger Map and the worksheet)
- c) Students complete assignments—work independently or with a partner.
- d) Review answers as entire class (answer sheet provided at end of this document).

5. Ask Follow Up Questions and Make the Connection to Agriculture

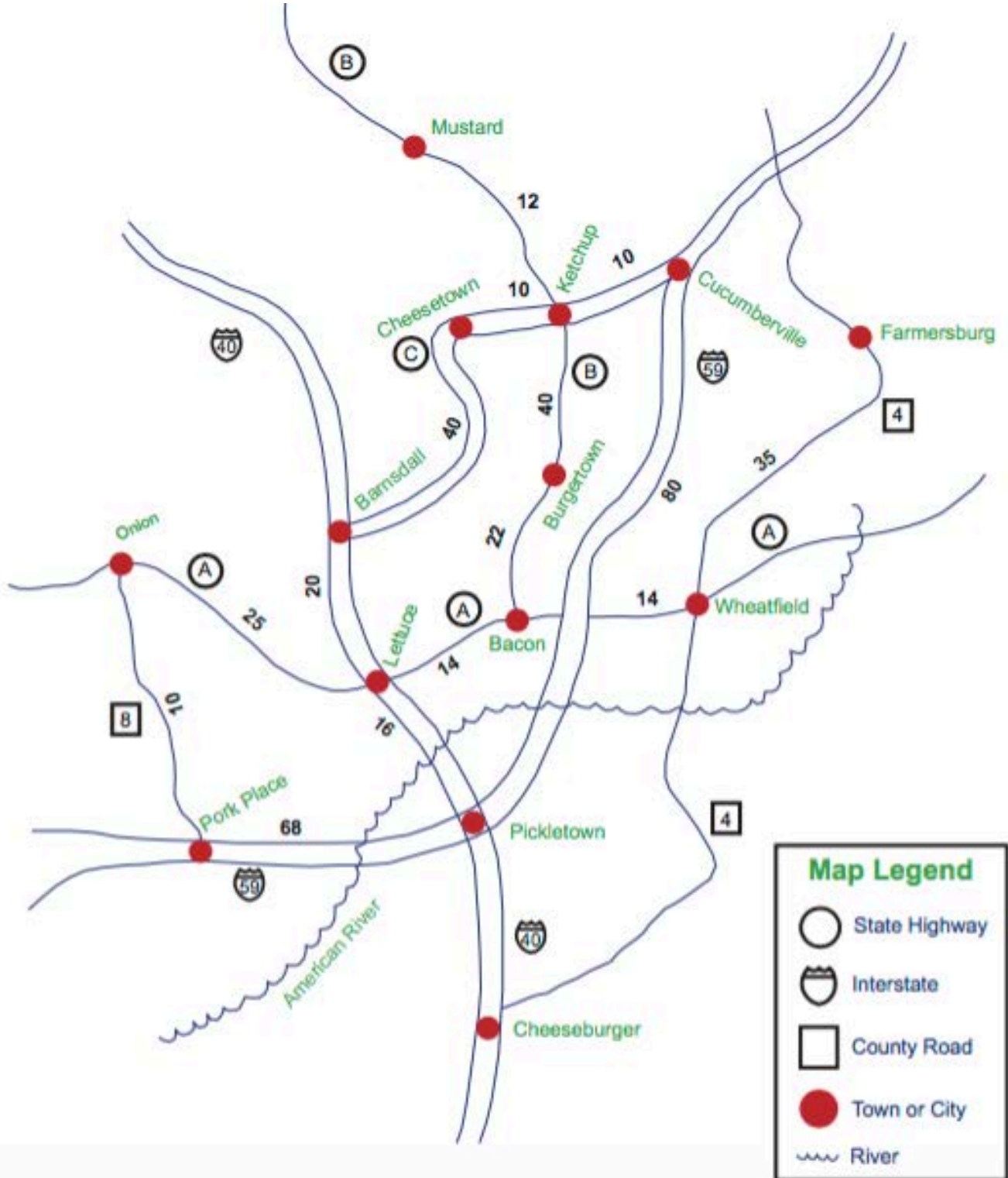
- What agricultural products were represented on the map?
Cheese, mustard, ketchup, cucumbers, wheat, onion, lettuce, bacon, pork, pickle, etc.—anything on the map from agriculture.

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- Why is knowing where our food is produced important?
It helps us understand that the food we eat doesn't just come from the store—it comes from a farmer producing it somewhere in Nebraska or other states. It also helps us know that Nebraska and U.S. farmers provide us with a safe food supply!
- In what ways is it important to know how our food is transported?
Food often has to travel many miles to get from the farm to our house. It's important for us to know how it gets from one place to another and understand how to read a map to understand how transportation uses highways and roads.
- What information will you share from doing the Cheeseburger Map with your family and friends?
Every part of a cheeseburger is produced in agriculture. Each piece is individually produced and then we as consumers assemble it into the delicious cheeseburgers we eat. Each part of a cheeseburger may be produced in many different locations and are transported from field, to processing, to store, to consumer. It's important to know agriculture products are transported throughout our state and the U.S. and that maps help people efficiently get products where they need to be.

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Cheeseburger Map



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Cheeseburger Map Activity

Name _____

Directions: Use the Cheeseburger Map to answer the following questions. Be sure to show your math work!

1. How many miles would you travel if you left Wheatfield, passed through Bacon, and arrived in Ketchup?
2. According to the legend, what kind of road is Route A?
3. How many miles are between Wheatfield and Onion City?
4. What two highways come together at Barnsdall?
5. What is the closest town to Lettuce?
6. How many miles is it from Cheesetown to Mustard?
7. What is the name of the river?
8. What three towns are located on Highway B?
9. What is the mileage between Barnsdall and Cucumberville?
10. What county road connects Onion City and Pork Place?

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Cheeseburger Map Activity—Answer Key

Name _____

Directions: Use the Cheeseburger map to answer the following questions. Be sure to show your math work!

1. How many miles would you travel if you left Wheatfield, passed through Bacon, and arrived in Ketchup?
 $14 + 22 + 40 = 76$
2. According to the legend, what kind of road is Route A?
State Highway
3. How many miles are between Wheatfield and Onion cities?
 $14 + 14 + 25 = 53$
4. What two highways come together at Barnsdall?
Interstate 40 and State Highway C
5. What is the closest town to Lettuce?
Bacon
6. How many miles is it from Cheesetown to Mustard?
 $10 + 12 = 22$
7. What is the name of the river?
American River
8. What three towns are located on Highway B?
Mustard, Ketchup, Burgertown, and Bacon
9. What is the mileage between Barnsdall and Cucumberville?
 $40 + 10 + 10 = 60$
10. What county road connects Onion City and Pork Place?
County Road 8