

Fly Away

Name: _____

Date: _____

Vocabulary

Compass - a tool used to show the current directions based on Earth's magnetic field

Scale - the distance measured on a map that represents the actual distance in real life

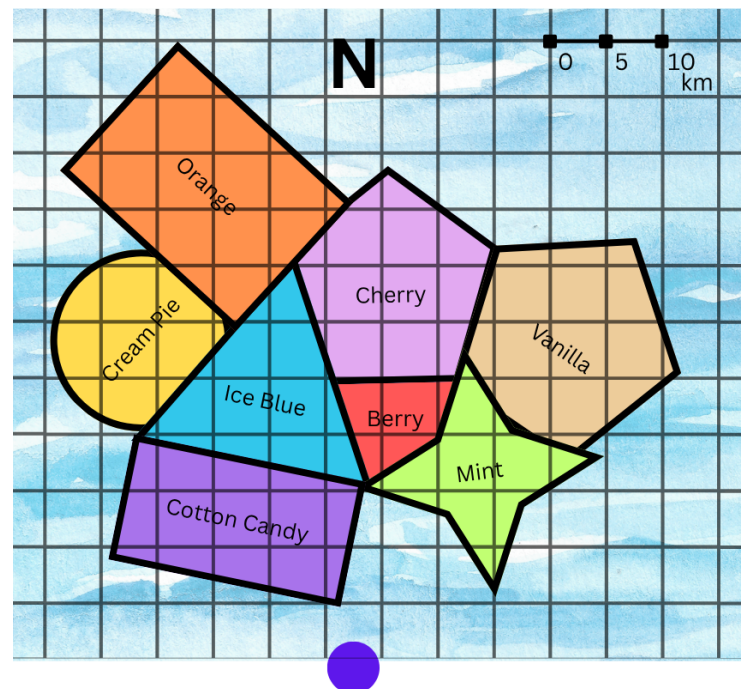
Introduction

Reading a Map

1 Ari is located on the blue dot and flying North over Ice Cream Island. What towns will Ari fly over if they continue flying North until they reach the ocean on the other side?

2 When Ari crosses the border over Cherry Town, they adjust their flight to travel in the Northeast direction. What town(s) will they fly over?

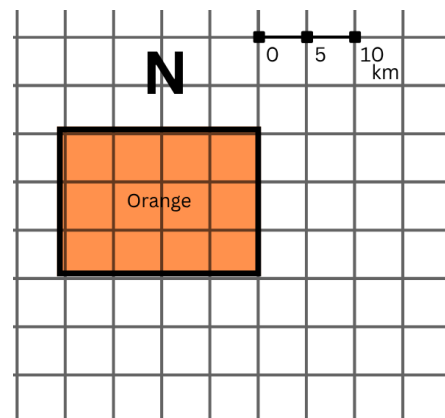
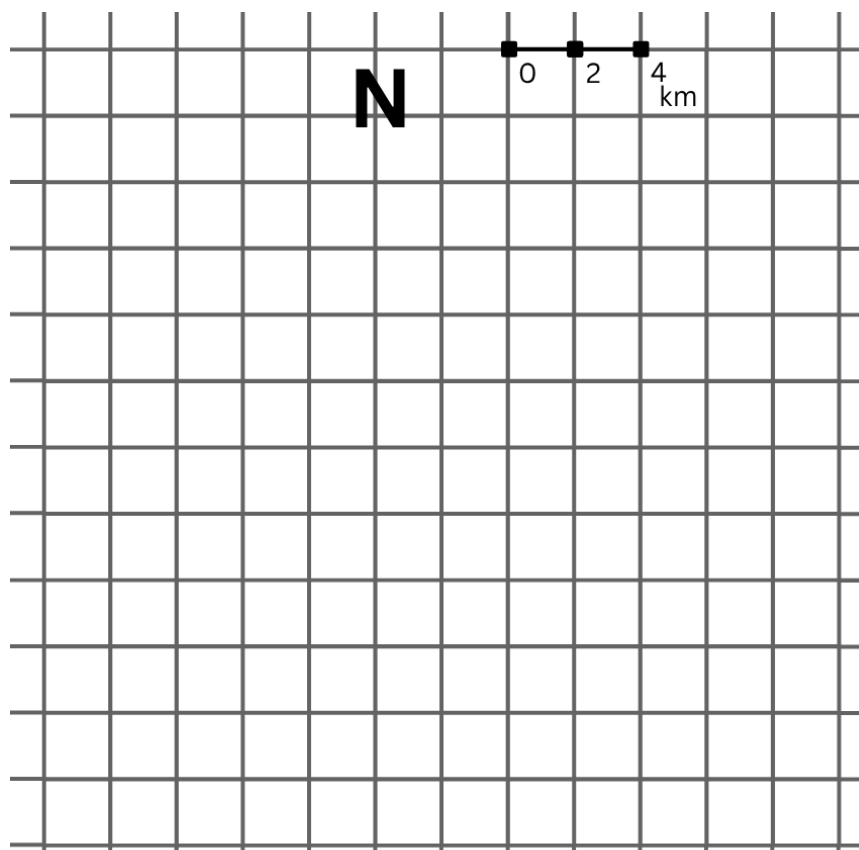
3 If Ari wanted to fly over every town in Ice Cream Island for at least 5 km, how would you suggest they achieve this goal? Draw Ari's path and write a possible flight plan below:



Activity 1

Scaling Orange Town

1 Orange Town is building a landing strip for Ari to visit. Ari needs exact information about the area to safely land. Use the scale to create a new map of Orange Town below using the new scale.



2 What do you notice about the map of Orange Town when you change the scale?

3 If Orange Town is building a landing strip for Ari 6 km south of the center-most point on the Northern border of the town, draw a dot on the map showing where the start of the landing strip would be located. If the landing strip begins at this point and is built for Ari to land while traveling East and is 2 km in length, draw a line showing where the landing would be for Ari.

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Activity 2

Flight Patterns

Ari is on their next adventure on Ice Cream Island. Draw the flight Ari's around the island and answer the questions during their journey.

- 1 Ari begins at the blue dot on the map. They fly 15 km North. They then adjust their course and fly 15 km east. Draw their path.

What town are they visiting?

- 2 From this location, Ari wants to visit the Northeast coast of Vanilla Town. Draw their path.

How far and in what direction should they travel?

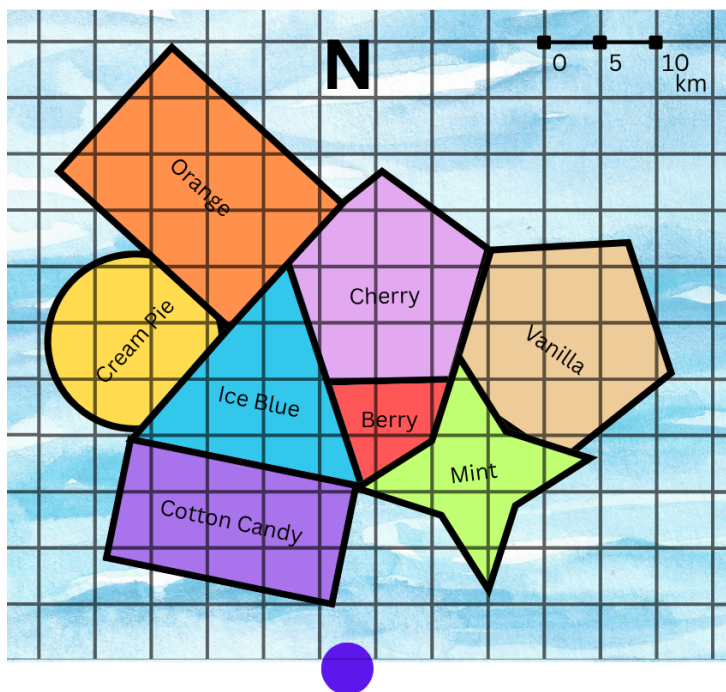
- 3 From their location in Vanilla Town, Ari travels west 30 km. Draw their path.

What town are they traveling over? _____

- 4 They adjust course and travel southwest 15 km. Draw their path. What town are they traveling over? _____

- 5 Ari adjusted their course again, now heading Northwest to the ocean. Draw their path. How far will they have to travel to reach the ocean? _____

What town will they fly over before reaching the ocean? _____



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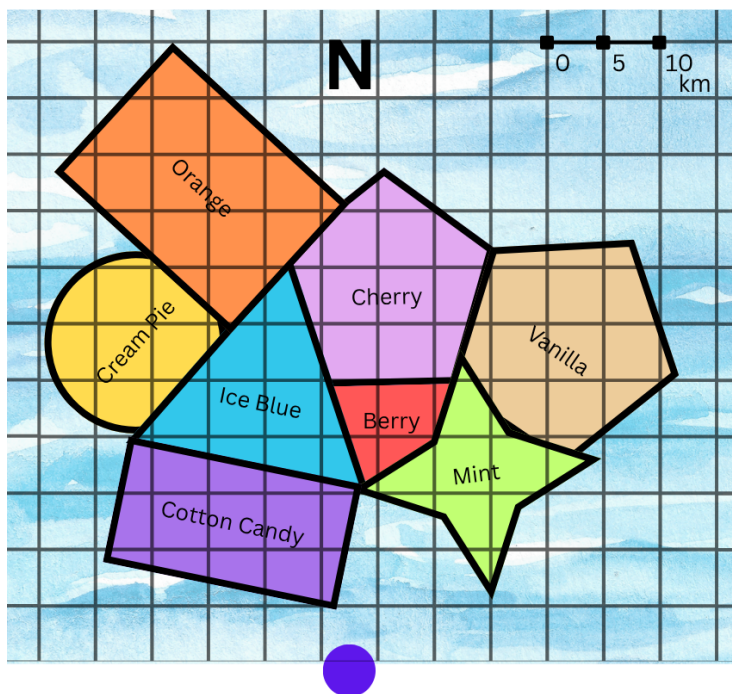
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Exit Ticket

1

Use each color to draw the path of their flight based on the scenarios below.

- Ari is flying towards Berry Town from their landing strip in Orange Town. What direction is Ari flying? _____
- Ari's friend is flying towards the island from the West and will land in Berry Town at a location that is 5 km South of the Northern border.
- Ari's sister is flying South, taking photos of the eastern coast of Vanilla Town.
- Ari's brother is flying over Cream Pie Town, flying East.



2

Which of these flight paths might intersect?

3

Choose one pair of flights with intersecting paths. Approximately how far did each plane fly before the paths intersected? How did you determine this distance?

4

Use a dotted line to show the flight adjustment(s) that could be made to avoid any collisions. List the adjustment(s) below.

