

Ballpark Road Trip

It's playoff time in the made-up Diamond League, and every team needs a travel plan. Use the map to find, measure and plan the trips.

Name _____

Date _____

MAP TOOLKIT

Grid

letter first,
then number

Compass

N, S, E, W and
in-between

Scale

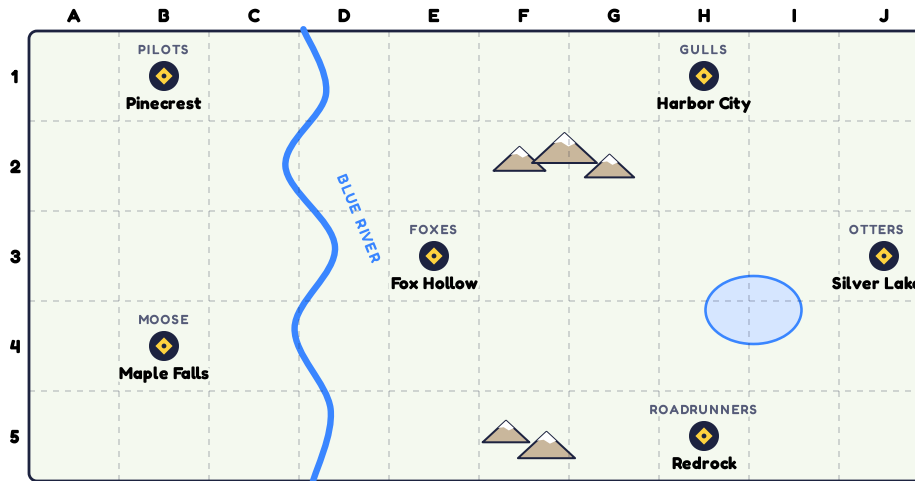
center to center,
1 square = 50 mi

Legend

what each
symbol means

PLAYOFFS FIRST PITCH
GAME 1 7:05
FIND • MEASURE • PLAN

THE DIAMOND LEAGUE MAP



LEGEND

-  Ballpark
-  River
-  Lake
-  Mountains

SCALE

0 50 100 mi
1 square = 50 miles

- 1** In which grid square is **Fox Hollow**? Write the letter, then the number.

WORK SPACE

ROOKIE

- 2** Which team plays its home games in square **J3**?

WORK SPACE

ROOKIE

- 3** Which town is **directly north** of Maple Falls?

WORK SPACE

STARTER

- 4** The Gulls travel in a straight line from **Harbor City** to **Pinecrest**. In which direction do they travel?

WORK SPACE

STARTER

- 5** From **Fox Hollow**, in which **intermediate direction** (NE, NW, SE or SW) is Pinecrest?

WORK SPACE

PRO

- 6** Use the scale. How many miles is it in a straight line from **Pinecrest** to **Harbor City**?

WORK SPACE

_____ miles

PRO

- 7** The Moose bus goes straight from **Maple Falls** to **Pinecrest**, then straight to **Harbor City**. How many miles is the whole trip?

WORK SPACE

_____ miles

ALL-STAR

- 8** A bus drives **50 miles each hour** on a **400-mile** trip. It leaves at **8:00 AM** and stops for **1 hour** of lunch. What time does it arrive?

WORK SPACE

CHALLENGE ★

A Read the Mileage Chart

Roads bend around rivers, lakes and mountains, so road miles are longer than straight-line miles. Find one town in a row and the other in a column. The box where they meet is the road miles.

ROAD MILES	PINECREST	HARBOR CITY	MAPLE FALLS	FOX HOLLOW
Pinecrest	—	320	165	195
Harbor City	320	—	360	205
Maple Falls	165	360	—	170
Fox Hollow	195	205	170	—

Made-up Diamond League towns.

- How many road miles is it from **Pinecrest** to **Fox Hollow**? _____ miles
- Which town is **closest** to Fox Hollow by road? _____
- The Gulls drive from **Harbor City** to **Fox Hollow**, then on to **Maple Falls**. How many road miles is that in all? _____ miles
- How many miles **shorter** is the direct road from Harbor City to Maple Falls than going through Fox Hollow? _____ miles

B Map Words

Write the word from the bank that matches each meaning. One word is not used.

Word bank: compass rose · grid · intermediate direction · legend · scale

- the box that tells what each symbol on a map means
- shows how a distance on the map matches a real distance
- rows and columns of letters and numbers that help you find a place
- a direction halfway between two main directions, like northeast

C Plan the Playoff Trip

Use the map on page 1. Time to get the Otters to Game 1 on time.

- The **Silver Lake Otters** play Game 1 in **Fox Hollow**. Use the scale. How many miles is it in a straight line?

WORK SPACE



_____ miles

- The Otters' bus drives **50 miles each hour**. How many hours does the trip from Silver Lake to Fox Hollow take?

WORK SPACE



_____ hours

- The bus ride takes **4 hours**. First pitch is **7:05 PM**. The team must arrive **2 hours** early. What is the **latest** it can leave?

WORK SPACE



- Mystery ballpark: start at Fox Hollow. Go **3 squares east**, then **2 squares south**. Which team plays there?

WORK SPACE



BONUS · YOUR TURN

Write directions from **Pinecrest** to any other ballpark. Use **one compass direction**, the **number of squares** and the **miles**.

- _____
- _____
- _____

Answer Key (for teachers & parents)

Answers for **Ballpark Road Trip**, with the work shown. Print pages 1 and 2 for students, and keep this page for checking. Bonus answers vary; check that the direction, squares and miles all match the map.

Page 1 Problems

- Answer: E3**
Fox Hollow is in column E, row 3.
- Answer: Silver Lake Otters**
Their ballpark is in square J3.
- Answer: Pinecrest**
Same column B; row 1 is above row 4.
- Answer: West**
H1 to B1 stays in row 1 and moves left.
- Answer: Northwest**
E3 to B1 goes up (north) and left (west).
- Answer: 300 miles**
B to H is 6 squares, and $6 \times 50 = 300$.
- Answer: 450 miles**
Maple Falls to Pinecrest: 3 squares = 150 miles.
Pinecrest to Harbor City: 300 miles. $150 + 300 = 450$.
- Answer: 5:00 PM**
 $400 \div 50 = 8$ hours of driving. 8:00 AM + 8 hours = 4:00 PM.
Add the 1-hour lunch: 5:00 PM.

Quick score

Page 1 problems	_____ / 8
A · Mileage Chart	_____ / 4
B · Map Words	_____ / 4
C · Playoff Trip	_____ / 4
Total	_____ / 20

Skills practiced

- Map grids
- Cardinal directions
- Intermediate directions (NE, NW, SE, SW)
- Map scale
- Mileage charts
- Elapsed time
- Map vocabulary

Teaching tip: In question 8 and C3, students often forget the lunch stop or count forward instead of back. Have them draw a quick timeline. In Part A, point out that every road distance is a little longer than the straight-line distance (Pinecrest to Harbor City: 300 miles straight, 320 by road). That's why maps show both.

A · Read the Mileage Chart

- Answer: 195 miles**
Pinecrest row, Fox Hollow column: 195.
- Answer: Maple Falls**
170 miles. Pinecrest is 195 and Harbor City is 205.
- Answer: 375 miles**
 $205 + 170 = 375$.
- Answer: 15 miles**
 $375 - 360 = 15$.

B · Map Words

- Answer: legend**
- Answer: scale**
- Answer: grid**
- Answer: intermediate direction (NE, NW, SE or SW)**

Not used: compass rose

C · Plan the Playoff Trip

- Answer: 250 miles**
J3 to E3 is 5 squares, and $5 \times 50 = 250$.
- Answer: 5 hours**
 $250 \div 50 = 5$.
- Answer: 1:05 PM**
Arrive by 5:05 PM, then count back 4 hours.
- Answer: Redrock Roadrunners**
From E3, 3 squares east is H3, then 2 squares south is H5.