UIL

University Interscholastic League
A+ Maps/Graphs/Charts Contest • Answer Sheet

Write your contestant number in the upper right corner, and circle your grade below.
### Circle Grade Level: 5   6   7   8

1. A	B	C	D	26. T	F			51. A	B	C	D
2. A	B	C	D	27. T	F			52. A	B	C	D
3. A	B	C	D	28. T	F			53. A	B	C	D
4. A	B	C	D	29. T	F			54. A	B	C	D
5. A	B	C	D	30. T	F			55. A	B	C	D
6. A	B	C	D	31. A	B	C	D	56. T	F
7. A	B	C	D	32. A	B	C	D	57. T	F
8. A	B	C	D	33. A	B	C	D	58. T	F
9. A	B	C	D	34. A	B	C	D	59. T	F
10. A	B	C	D	35. A	B	C	D	60. T	F
11. A	B	C	D	36. A	B	C	D	61. A	B	C	D
12. A	B	C	D	37. A	B	C	D	62. A	B	C	D
13. A	B	C	D	38. A	B	C	D	63. A	B	C	D
14. A	B	C	D	39. A	B	C	D	64. A	B	C	D
15. A	B	C	D	40. A	B	C	D	65. A	B	C	D
16. A	B	C	D	41. T	F			66. A	B	C	D
17. A	B	C	D	42. T	F			67. A	B	C	D
18. A	B	C	D	43. T	F			68. A	B	C	D
19. A	B	C	D	44. T	F			69. A	B	C	D
20. A	B	C	D	45. T	F			70. A	B	C	D
21. A	B	C	D	46. A	B	C	D	71. T	F
22. A	B	C	D	47. A	B	C	D	72. T	F
23. A	B	C	D	48. A	B	C	D	73. T	F
24. A	B	C	D	49. A	B	C	D	74. T	F
25. A	B	C	D	50. A	B	C	D	75. T	F

University Interscholastic League
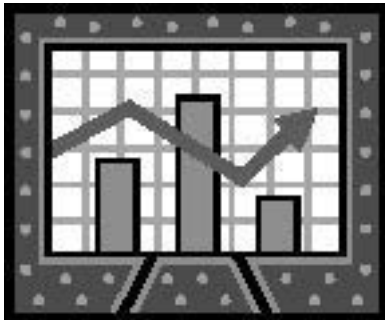
Maps, Graphs & Charts
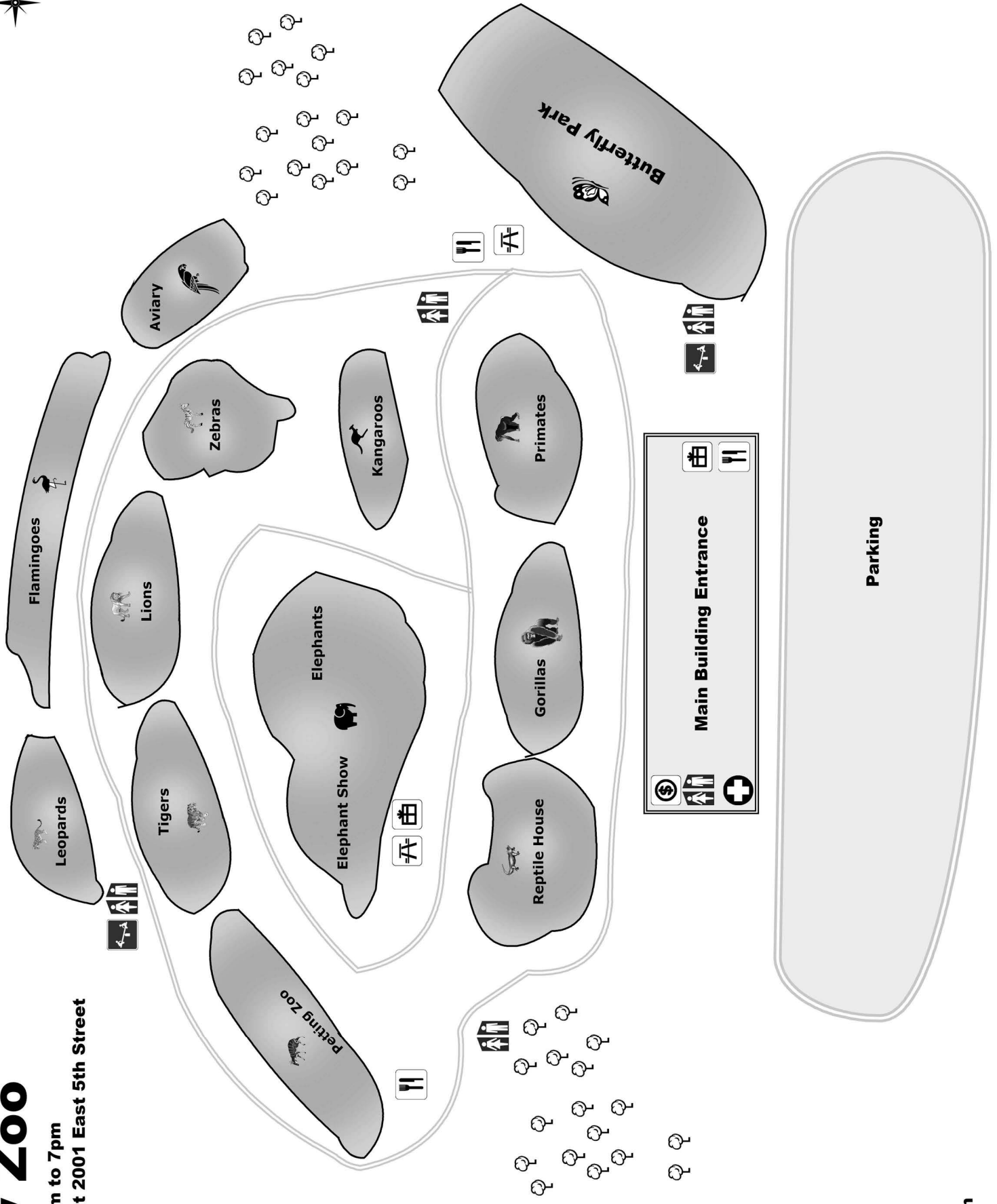
grades 5 & 6

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Africa Political Relief Map

1. What South African island lies between 30°E and 40°E?
   a. Crozet Island
   b. Cyprus
   c. Prince Edward Island
   d. None of the above

2. What capital city can be found on the western edge of the Gulf of Aden?
   a. Djibouti
   b. Dar es Salaam
   c. Libreville
   d. Constantine

3. Lake Nyasa forms the border of what country?
   a. Mozambique
   b. Tanzania
   c. Malawi
   d. All of the above

4. What would a star (not contained in a circle) indicate on the political relief map?
   a. Small country
   b. National landmark
   c. State capital
   d. Country Capital

5. Which country is not located south of the Equator?
   a. Lesotho
   b. Malawi
   c. Kenya
   d. Togo

6. The Seychelles Islands are a territory of what country?
   a. Madagascar
   b. Somalia
   c. South Africa
   d. None of the above

7. Which city has the largest population?
   a. Kolwezi, Congo
   b. Kano, Nigeria
   c. Am Timan, Chad
   d. Kismayo, Somalia

8. How far is it from the capital of Botswana to the capital of Mozambique?
   a. About 200 miles
   b. About 300 miles
   c. About 400 miles
   d. About 500 miles

9. The border between Sudan and what other country is a disputed boundary?
   a. Libya
   b. Egypt
   c. Chad
   d. Ethiopia

10. The longest mountain range is found in what part of the continent?
    a. North
    b. South
    c. East
    d. West

11. Which of the following is a territory of a European country?
    a. St. Helena
    b. Madeira Island
    c. Crozet Islands
    d. All of the above

12. The Etosha Pan is an example of what?
    a. Mountain Peak
    b. Seasonal Lake
    c. Canal
    d. Dam

13. Which town with a population of over one million is the furthest south?
    a. Hargeysa, Somalia
    b. Douala, Cameroon
    c. Omdurman, Sudan
    d. Casablanca, Morocco

14. The White Nile runs through what country?
    a. Egypt
    b. Sudan
    c. Ethiopia
    d. None of the above

15. What do similarly colored countries indicate?
    a. Similar climate
    b. Similar styles of government
    c. Similar overall elevations
    d. None of the above

County Zoo

Open Daily from 9am to 7pm
Entrance Located at 2001 East 5th Street

Butterfly Park

Aviary

Zebras

Kangaroos

Primates

Flamingoes

Lions

Elephants

Elephant Show

Gorillas

Leopards

Tigers

Reptile House

Petting Zoo

Main Building Entrance

Parking

Legend

| Playground |
| Restroom |
| Concession |
| ATM Machine |
| Gift Shop |
| Picnic Area |
| First Aid |
| Water Fountain |

County Zoo

16. How many picnic areas are located directly north of the Leopard Habitat?
    a. 0
    b. 1
    c. 2
    d. 3

17. Which of the following can be found in the Main Building/Entrance?
    a. Restroom
    b. Gift Shop
    c. Concession
    d. All of the above

18. How far is it from the parking lot to the Flamingo Exhibit?
    a. About 500 feet
    b. About 1,000 feet
    c. About 3,000 feet
    d. Scale not indicated on the map

19. How many picnic areas are indicated on the map?
    a. 0
    b. 1
    c. 2
    d. 4

20. The Butterfly Park is situated in what portion of the map?
    a. Southwest
    b. Southeast
    c. Northwest
    d. Northeast

21. How many hours is the zoo open on Sundays?
    a. 8
    b. 10
    c. 12
    d. The zoo is closed on Sundays.

22. Which of the following has a gift shop next to it?
    a. The Aviary
    b. The Primate Habitat
    c. The Elephant Show
    d. None of the above

23. Which of the following is located the furthest west?
    a. Lions Arena
    b. Kangaroo Den
    c. Gorilla Habitat
    d. Petting Zoo

24. Visitors should head in what direction to get back to the main building from the Aviary?
    a. Southwest
    b. Southeast
    c. Northwest
    d. Northeast

25. Where is the zoo located?
    a. West 2001 St.
    b. East 2001 St.
    c. West 5th St.
    d. East 5th St.

TRUE/FALSE

26. There are more picnic areas than concessions.

27. The only playground is located west of Butterfly Park.

28. The first aid station is located in the Main Building.

29. The entrance is located on the north side of 10th street.

30. The zoo opens every day at the same time.

Animal Fair-Gift Shop Product Sales
2018 - 2021

Legend:
- Stuffed Animals
- Food
- Books
- Clothing
- Toys and Games

Y-axis (Sales Revenues in Dollars): 0, 2,000, 4,000, 6,000, 8,000, 10,000, 12,000

X-axis (Year): 2017, 2018, 2019, 2020
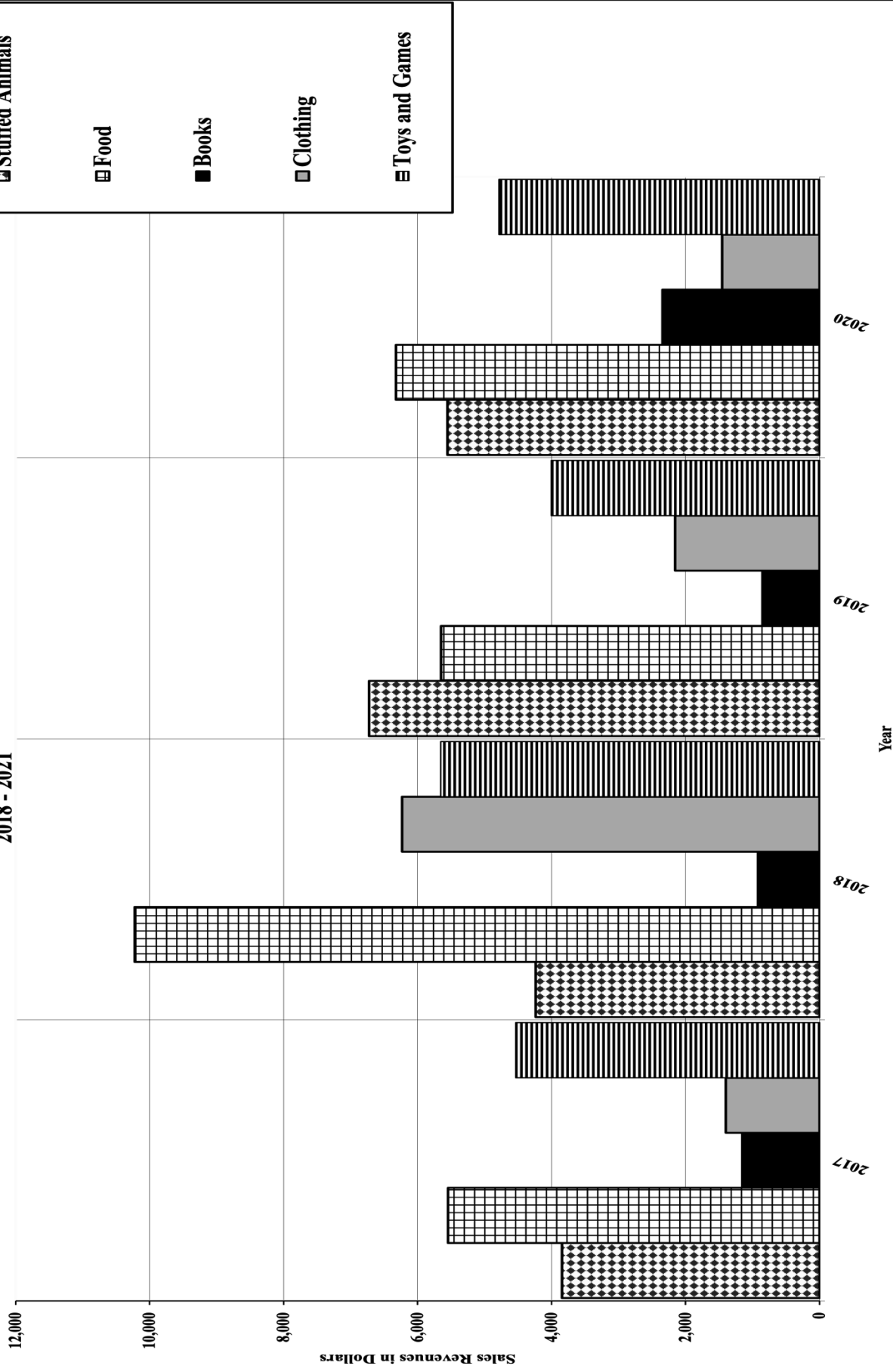
County Zoo Gift Shop Revenue

31. How much time is represented on the graph?
    a. Four months
    b. Four years
    c. Eight months
    d. Eight years

32. What is represented on the y axis?
    a. The year
    b. The number of items sold
    c. The price of an item
    d. The amount of revenue generated

33. What item group created the least amount of revenue over the period of time covered by the graph?
    a. Stuffed animals
    b. Food
    c. Clothing
    d. Toys and games

34. Which item had the single biggest increase in revenue from the previous year.
    a. Stuffed animals
    b. Food
    c. Clothing
    d. Toys and games

35. How many groups of items are represented on the chart?
    a. 1
    b. 2
    c. 5
    d. 8

36. How many items generated revenue of over $1,000 in 2019?
    a. 1
    b. 2
    c. 4
    d. 5

37. How many items generated more revenue than clothing in 2018?
    a. 0
    b. 1
    c. 3
    d. 4

38. In how many years did food produce revenue above $5,000?
    a. 0
    b. 1
    c. 3
    d. 4

39. What year did toys and games generate the most revenue?
    a. 2017
    b. 2018
    c. 2019
    d. 2020

40. What item had the least variation between 2017 and 2018?
    a. Books
    b. Food
    c. Clothing
    d. Toys and games

TRUE/FALSE

41. Food generated the most revenue every year that the graph covers.

42. The graph includes data from four different locations.

43. Books were the only group of items that never generated revenue above $2,500 in a single year.

44. Only two groups of items generated more than $20,000 over the time covered by the graph.

45. Stuffed animals were the only item group that increased in revenue created every year.

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Africa (Various Maps)

46. Which country has areas of commercial farming?
    a. Central African Republic
    b. Western Sahara
    c. Morocco
    d. None of the above

47. The El Djouf desert is on the border of what country?
    a. Mauritania
    b. Sudan
    c. Chad
    d. None of the above

48. Which of the following countries receives over eighty inches of precipitation per year?
    a. Namibia
    b. Egypt
    c. Liberia
    d. None of the above

49. Which of the following natural resource can be found in Madagascar?
    a. Oil
    b. Natural gas
    c. Lead
    d. None of the above

50. Which African city is located on the shores of the Red Sea?
    a. Jiddah, Saudi Arabia
    b. Luxor, Egypt
    c. Port Sudan, Sudan
    d. Darnah Libya

51. Marine climate can be found in what area of the continent?
    a. North
    b. West
    c. South
    d. East

52. Algeria gets the most imports from which of the following?
    a. European Union
    b. China
    c. United States
    d. All others

53. What is the elevation Mt. Tahat in Algeria?
    a. Between 4,000 and 5,000 feet
    b. Between 5,000 and 6,000 feet
    c. Between 6.000 and 7,000 feet
    d. Over 7,000 feet

54. Which country has an area where the population is over 100 people per square kilometer?
    a. Egypt
    b. South Africa
    c. Morocco
    d. All of the above

55. Lake Turkana is mainly in what country?
    a. Uganda
    b. Kenya
    c. Congo
    d. Chad

TRUE/FALSE

56. Most African mining companies are foreign-owned and they employ few Africans.

57. The climate of Nigeria is mainly desert.

58. The lowest elevation areas of Africa tend to be around the coastal areas.

59. Africa is between the Atlantic Ocean off of Africa's east coast and the Indian Ocean off the west coast.

60. The Grand Erg de Bilma desert is in located in Niger.

Zoo Attendance Comparison

Annual Attendance in Thousands

400
350
300
250
200
150
100
50
0

2015   2016   2017   2018   2019   2020

■Capital City Zoo ✕Southside Zoo ◆State Zoo ▲Boris Zoo ●Star City Zoo
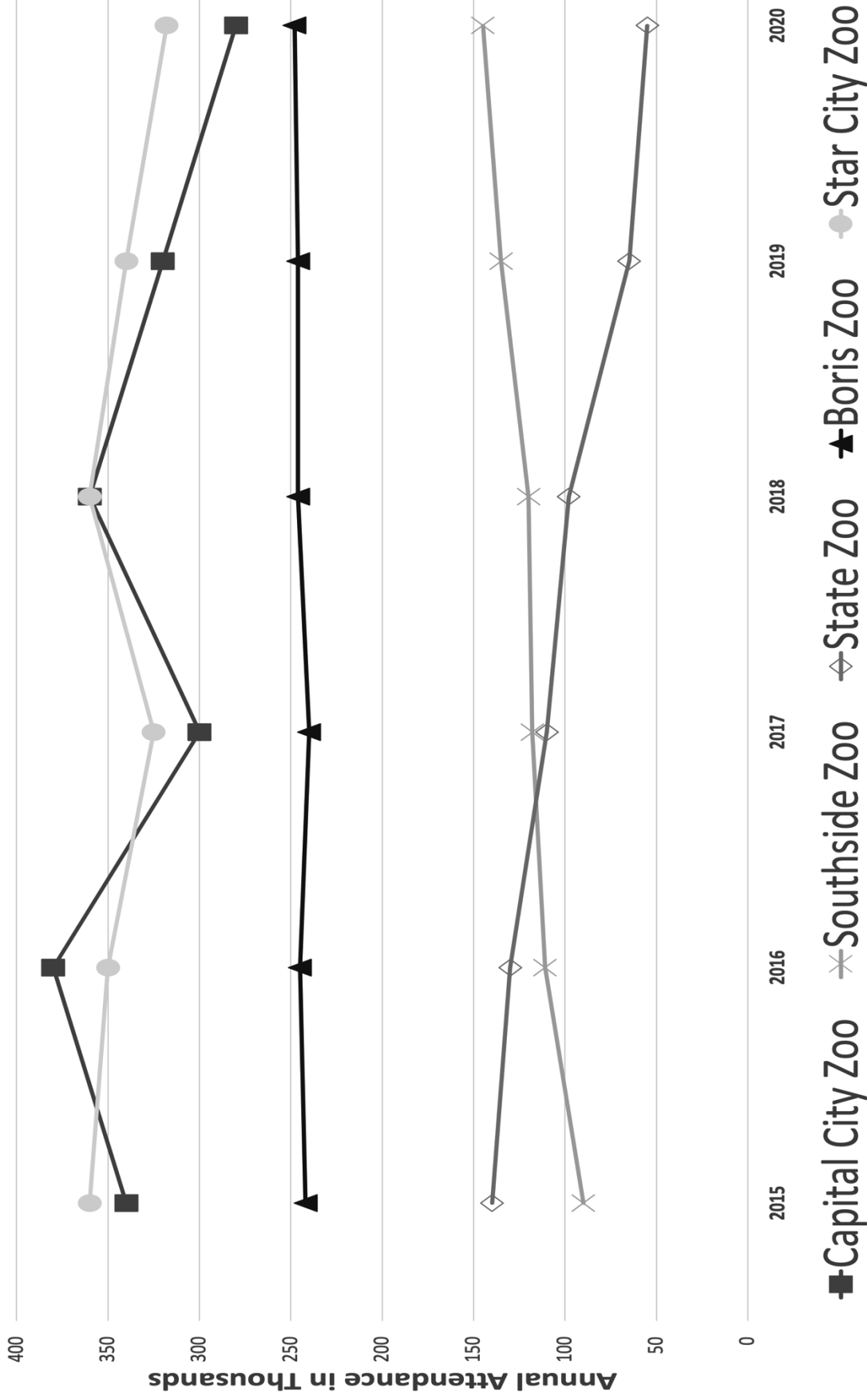
Zoo Attendance Comparison

61. How many zoos are represented on the graph?
    a. 1
    b. 3
    c. 5
    d. 6

62. What does the line with a square marker represent?
    a. 2017
    b. 2018
    c. State Zoo
    d. Capital City Zoo

63. Which zoo had the steadiest attendance?
    a. Southside
    b. Boris
    c. Star City
    d. State

64. Which zoo had the smallest attendance in 2015?
    a. Capital City Zoo
    b. Boris Zoo
    c. State Zoo
    d. Southside Zoo

65. What year had the highest attendance at any single zoo?
    a. 2017
    b. 2018
    c. 2019
    d. 2020

66. The data point for Boris Zoo in 2018 indicates what level of attendance?
    a. 246 attendees
    b. 2,460 attendees
    c. 24,600 attendees
    d. 246,000 attendees

67. In how many years did Star City have higher attendance than Capital City?
    a. 0
    b. 1
    c. 2
    d. 4

68. What year had the highest level of attendance for all sites combined?
    a. 2016
    b. 2017
    c. 2018
    d. 2019

69. How many sites had decreasing attendance very year?
    a. 0
    b. 1
    c. 2
    d. 3

70. What does the x axis represent?
    a. Number of attendees
    b. The month
    c. The year
    d. The specific attendance number and time.

TRUE/FALSE

71. All locations had their lowest attendance in 2020.

72. Attendance never fell below 5,000 at any zoo.

73. Capital City Zoo attendance rose every other year compared to the previous year.

74. Boris Zoo had the second-best attendance level in every year.

75. The graph covers a time span of over three years.

University Interscholastic League
A+ Maps/Graphs/Charts Contest • 2022-2023
5/6 Invitational
Answer Key

1. C	26. F	51. C
2. A	27. F	52. A
3. D	28. T	53. D
4. C	29. F	54. D
5. D	30. T	55. B
6. D	31. B	56. T
7. B	32. D	57. F
8. C	33. C	58. T
9. B	34. B	59. F
10. A	35. C	60. T
11. D	36. C	61. C
12. B	37. B	62. D
13. B	38. D	63. B
14. B	39. B	64. D
15. D	40. A	65. B
16. A	41. F	66. D
17. D	42. F	67. D
18. D	43. T	68. A
19. C	44. T	69. B
20. B	45. F	70. C
21. B	46. C	71. F
22. C	47. A	72. T
23. D	48. C	73. F
24. A	49. D	74. F
25. D	50. C	75. T

INVITATIONAL 2022-2023

A+ ACADEMICS

University Interscholastic League
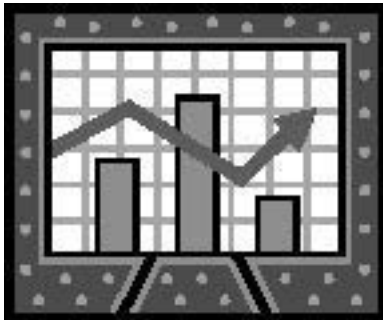
Maps, Graphs & Charts
grades 7 & 8

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Australia

1. The longest river in Australia runs through what part of the country?
   a. Southeast
   b. Southwest
   c. Northwest
   d. Northeast

2. What is the territorial capital of French Polynesia?
   a. Canberra
   b. Tarawa
   c. Papeete
   d. Manila

3. What's the largest city on Australia's west coast?
   a. Brisbane
   b. Adelaide
   c. Perth
   d. Bunbury

4. What is the precipitation level of Sydney?
   a. Under 10 inches per year
   b. Between 10 and 20 inches per year
   c. Between 20 and 40 inches per year
   d. Over 40 inches per year

5. What is the primary land cover type of Indonesia?
   a. Cropland
   b. Tropical rain forest
   c. Grassland
   d. None of the above

6. What body of water lies between Semarang, Indonesia and Borneo?
   a. Java Sea
   b. South China Sea
   c. Celebes Sea
   d. Molucca Sea

7. The Outback covers how much of Australia?
   a. Ten percent
   b. Twenty percent
   c. Forty percent
   d. Eighty percent

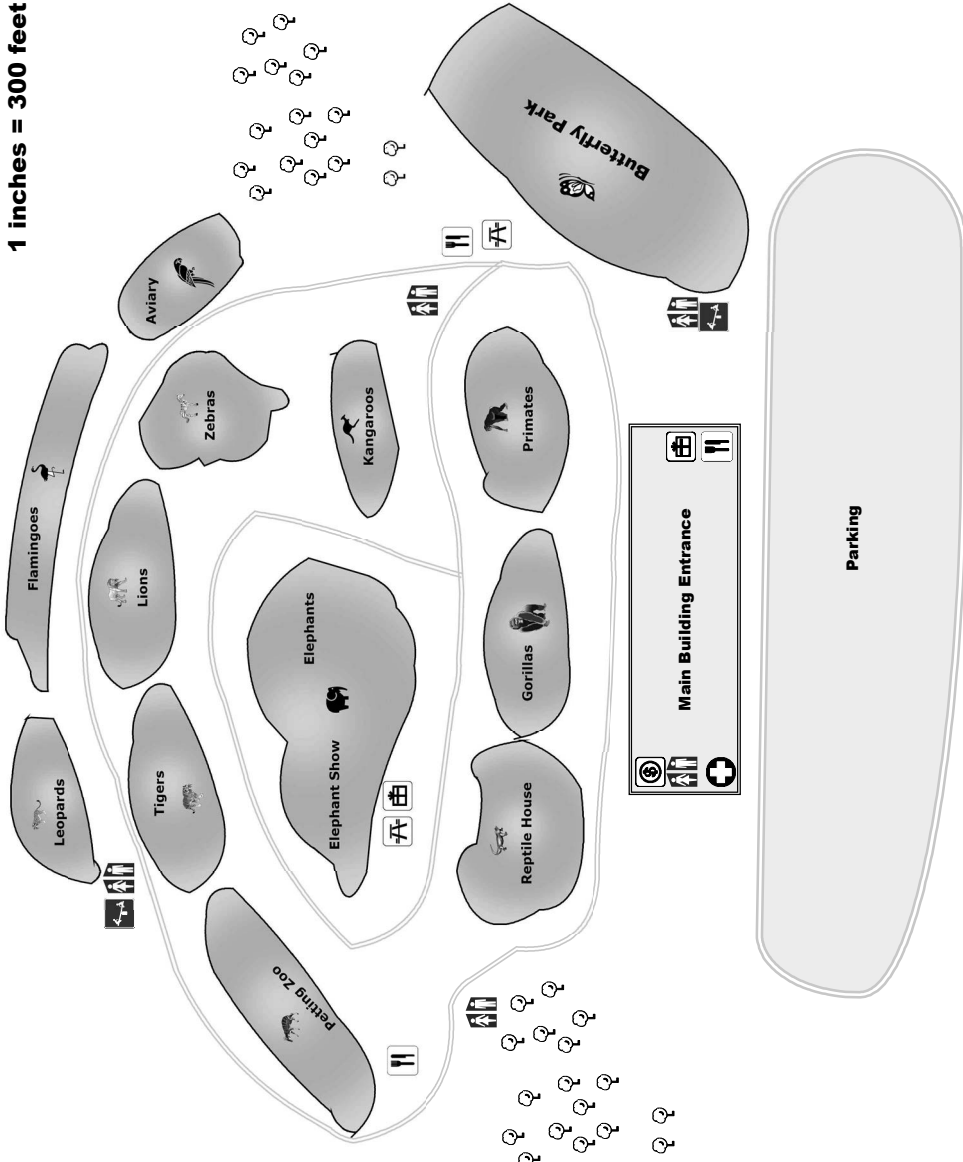8. What is the climate of Australia's northern coast?
   a. Steppe
   b. Desert
   c. Savanna
   d. Marine

9. What is the most densely populated country in Australia and Oceania?
   a. Australia
   b. Nauru
   c. Palau
   d. New Zealand

10. Which of the following countries is transcontinental?
    a. Indonesia
    b. Thailand
    c. Vanuatu
    d. Cambodia

11. On the land cover map, what does the pink line running through New Guinea indicate?
    a. Land cover type change
    b. Elevation change
    c. Continental boundary
    d. International boundary

12. Which of the following resources is not found in New Zealand?
    a. Gold
    b. Iron
    c. Tin
    d. Silver

13. How far is it from Merredin, Australia to Albany, Australia?
    a. About 100 miles
    b. About 250 miles
    c. About 400 miles
    d. About 500 miles

14. Mainland Australia is divided into how many states?
    a. 4
    b. 6
    c. 10
    d. 12

15. Which is the world's oldest continuous culture?
    a. Polynesian
    b. Micronesian
    c. Melanesian
    d. Aborigine

County Zoo

Open: Weekdays:9am to 7pm
Weekends:8am to 8pm

1 inches = 300 feet

N

Butterfly Park

Aviary

Zebras

Kangaroos

Primates

Flamingoes

Lions

Elephants

Elephant Show

Gorillas

Leopards

Tigers

Reptile House

Petting Zoo

Main Building Entrance

Parking

Zoo Entrance

Life Science Museum

Art Museum

History Museum

Twine St.

6th St. (one way)

5th St. (one way)

Spot St.

State Aquarium

Film History Museum and Theatre

Global Theatre

- Playground
- Restroom
- Concession
- ATM Machine
- Gift Shop
- Picnic Area
- First Aid
- Water Fountain

County Zoo Map

16. Which of the following streets is one way only?
    a. Spot St.
    b. Twine St.
    c. 6th St.
    d. None of the above

17. The nearest gift shop to the Flamingo Exhibit is in what direction?
    a. Northwest
    b. Southwest
    c. Northeast
    d. Southeast

18. The zoo opens at what time on Thursdays?
    a. 9:00 a.m.
    b. 10:00 a.m.
    c. 7:00 p.m.
    d. 8:00 p.m.

19. How is public parking accessed?
    a. By heading west on 5th Street
    b. By heading south on 6th Street
    c. By heading north on 5th Street
    d. By heading east on 6th Street

20. How many first aid stations are indicated on the map?
    a. 0
    b. 1
    c. 2
    d. 3

21. Which of the following is located directly north of the main building?
    a. Playground
    b. ATM machine
    c. Gift shop
    d. Picnic area

22. How far is it from the corner of 5th and Twine to the main entrance?
    a. About 300 feet
    b. About 600 feet
    c. About 1,200 feet
    d. Scale not indicated on the map

23. Which of the following is not located on south side of Twine Street?
    a. State Aquarium
    b. Art Museum
    c. Global Theatre
    d. All of the above

24. How many hours is the zoo open on Saturdays?
    a. 8
    b. 9
    c. 10
    d. 12

25. How many gift shops are located in the zoo?
    a. 0
    b. 1
    c. 2
    d. 4

TRUE/FALSE

26. Parking is located at the south end of the zoo.

27. The zoo opens and closes earlier on weekends.

28. There are more concessions than picnic areas.

29. 6th street only runs north to south.

30. The Petting Zoo is the attraction furthest south.

Zoo Income and Expenditures

Dollars in millions

Legend: Ticket Sales, Annual Memberships, Private Contriubtions, Federal Grants, Total Expenses
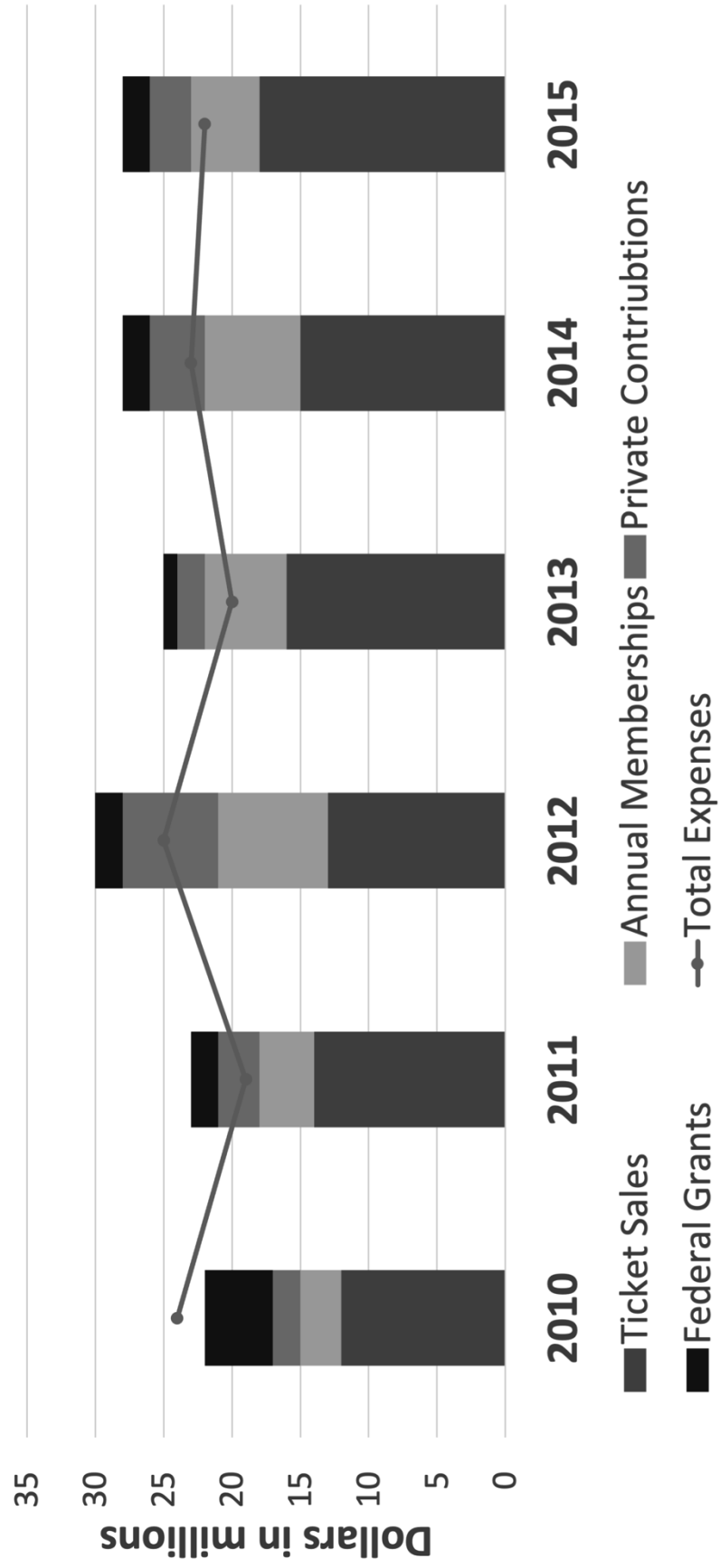
Zoo Income and Expenditures

31. What does the horizontal line going across the columns represent?
    a. The year
    b. Source of income
    c. Expenses
    d. The amount of income

32. How much did the zoo receive from federal grants in 2010?
    a. $50,000
    b. $60,000
    c. $40,000
    d. None of the above

33. What item is represented by the lightest column?
    a. Ticket sales
    b. Annual memberships
    c. Federal Grants
    d. Total expenses

34. What time span is covered by the graph?
    a. Twelve months
    b. Six months
    c. Six years
    d. Twelve months

35. What year did the zoo take in the most income overall?
    a. 2010
    b. 2011
    c. 2012
    d. 2013

36. How many times was revenue from private contributions higher than from federal grants?
    a. 0
    b. 1
    c. 3
    d. 5

37. Which source of income generated the most revenue over the time covered by the chart?
    a. Ticket sales
    b. Annual memberships
    c. Private contributions
    d. Federal Grants

38. In how many years did expenses outpace income?
    a. 0
    b. 1
    c. 2
    d. 4

39. Which year had the highest difference between revenue and expenses?
    a. 2010
    b. 2012
    c. 2014
    d. 2015

40. In how many years did the zoo generate more than 5 million in income?
    a. 0
    b. 1
    c. 4
    d. 6

TRUE/FALSE

41. Ticket sales increased every year.

42. The highest amount of income occurred in the same year as the highest amount of expense.

43. Ticket sales were at least double the amount of every other income source combined every year.

44. The strongest year for ticket sales occurred in 2015.

45. The numbers on the left side of the chart represent expense and revenue in millions of dollars.

Invitational 7/8 2022-2023

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North America

46. What is the longest river in Canada?
    a. Mississippi River
    b. Saskatchewan River
    c. Mackenzie River
    d. St. Lawrence River

47. Marine climate can be found in what area of the United States?
    a. Southwest
    b. Northwest
    c. Southeast
    d. Northeast

48. What Canadian city is located on the shore off James Bay?
    a. Alma
    b. Eastmain
    c. Parent
    d. Waterloo

49. What is the third most spoken language in Canada?
    a. English
    b. French
    c. Chinese
    d. Dutch

50. The southern area of Arizona has what type of land cover?
    a. Semi-desert and desert
    b. Cropland
    c. Grassland
    d. Broadleaf forest

51. Which of the following states is not in Tornado Alley?
    a. Texas
    b. Arkansas
    c. Kansas
    d. Nebraska

52. What is the main land use type in Iowa?
    a. Ranching
    b. Forestry
    c. Commercial farming
    d. No widespread use

53. On the United States Political Relief Map, what is the scale of the Hawaii insert?
    a. One inch equals 151 miles
    b. One inch equals 251 miles
    c. One inch equals 351 miles
    d. One inch equals 451 miles

54. Which of the following Canadian cities has the largest population?
    a. Labrador City
    b. Quesnel
    c. Twin Falls
    d. Mississauga

55. What percentage of Canada is covered by forest?
    a. Twenty percent
    b. Forty percent
    c. Sixty percent
    d. 80 percent

TRUE/FALSE

56. The world's longest highway is located in Canada.

57. The population of Greenland are citizens of Denmark.

58. Most of the east coast of the United States gets over 80 inches of rain per year.

59. Turks and Caicos Islands are a territory of Canada.

60. Mexico is part of the North American Free Trade Agreement.

Zoo Visitor Demographics and Comparison

Amount of visitors in throusands

Legend: 2020, 2019, 2018, 2017

Categories:
- North County Zoo - Adult
- North County Zoo - Child
- Metropolitain Zoo - Adult
- Metropolitain Zoo - Child
- Southside Zoo - Adult
- Southside Zoo - Child
- Central City Zoo - Adult
- Central City Zoo - Child
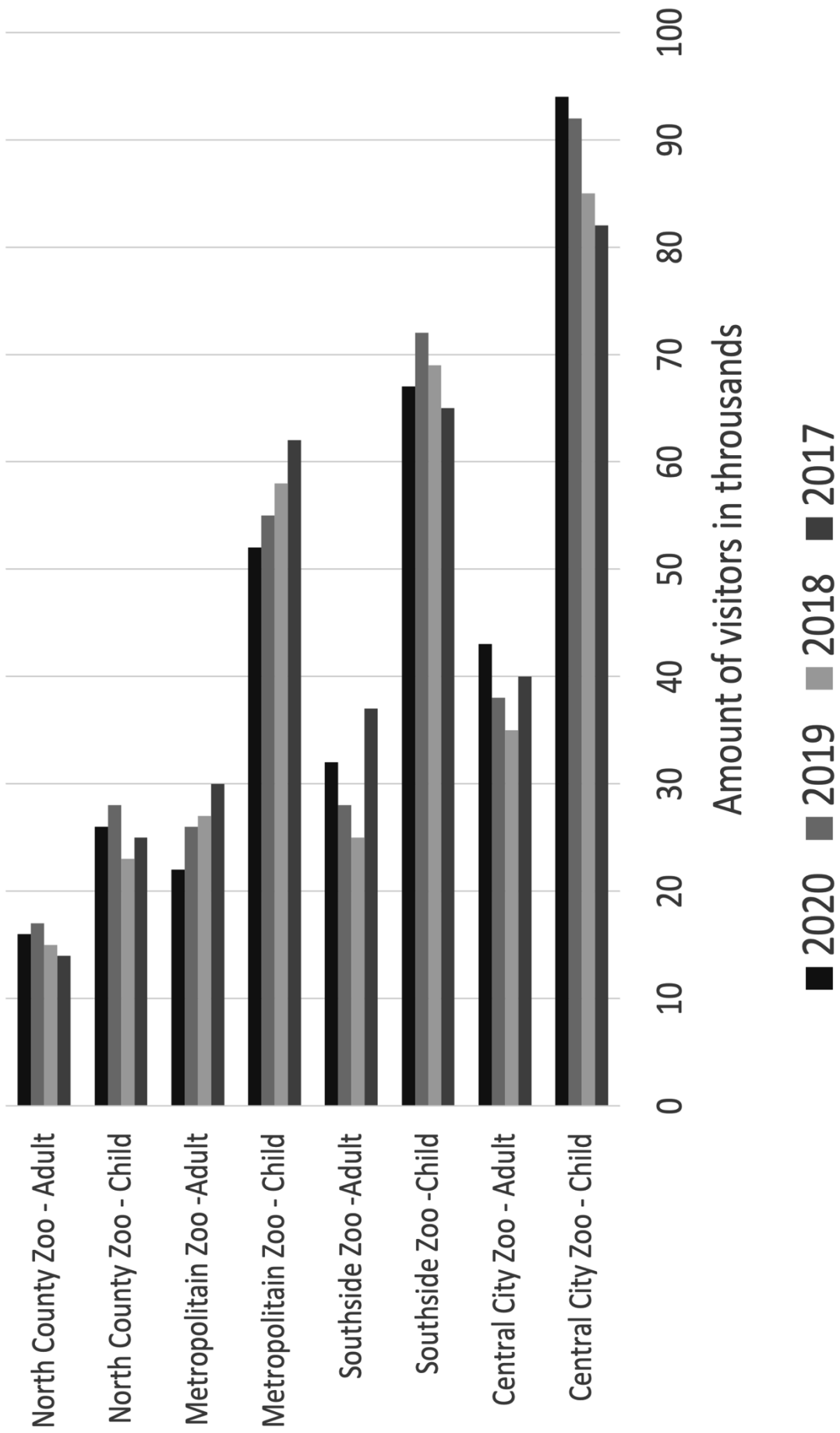
Zoo Visitor Demographics and Comparison

61. What does the x axis represent?
    a. The year
    b. The specific zoo
    c. Number of visitors
    d. None of the above

62. What does the darkest column represent?
    a. 2017
    b. 2020
    c. Central City Zoo
    d. South Side

63. What year did Southside Zoo have the highest adult attendance?
    a. 2017
    b. 2018
    c. 2019
    d. 2020

64. Which zoo had the highest child attendance over the entire time covered by the graph?
    a. Central City Zoo
    b. Southside Zoo
    c. Metropolitan Zoo
    d. North County Zoo

65. In what year did overall attendance increase the most at North County Zoo compared to the previous year?
    a. 2017
    b. 2018
    c. 2019
    d. 2020

66. How many different zoos are included in the data?
    a. 4
    b. 6
    c. 8
    d. 16

67. Which zoo had the highest adult attendance in 2018?
    a. Central City Zoo
    b. Southside Zoo
    c. Metropolitan Zoo
    d. North County Zoo

68. In how many years was adult attendance higher at Metropolitan Zoo than Southside Zoo?
    a. 0
    b. 1
    c. 2
    d. 4

69. In how many years did Central City Zoo adult attendance exceed four thousand?
    a. 0
    b. 1
    c. 2
    d. 4

70. Which zoo had the smallest difference between adult and child attendance in 2017?
    a. Central City Zoo
    b. Southside Zoo
    c. Metropolitan Zoo
    d. North County Zoo

TRUE/FALSE

71. Central City Zoo had the highest attendance in both categories every year.

72. Child attendance was at least double adult attendance every year at Central City Zoo.

73. Total attendance at Metropolitan Zoo never exceeded 100,000 in a single year.

74. Adult attendance at Southside Zoo peaked in 2018.

75. The chart covers data from eight different zoos over four years.

University Interscholastic League
A+ Maps/Graphs/Charts Contest • 2022-2023
7/8 Invitational
Answer Key

1. A	26. F	51. B
2. C	27. F	52. C
3. C	28. T	53. B
4. D	29. T	54. D
5. B	30. T	55. B
6. A	31. C	56. T
7. D	32. D	57. T
8. C	33. B	58. F
9. B	34. C	59. F
10. A	35. C	60. T
11. D	36. D	61. C
12. C	37. A	62. B
13. B	38. B	63. A
14. B	39. D	64. A
15. D	40. D	65. C
16. C	41. F	66. A
17. D	42. T	67. A
18. A	43. F	68. B
19. C	44. T	69. D
20. B	45. T	70. D
21. A	46. C	71. T
22. C	47. B	72. T
23. B	48. B	73. T
24. D	49. C	74. F
25. C	50. A	75. F

A+ ACADEMICS

University Interscholastic League
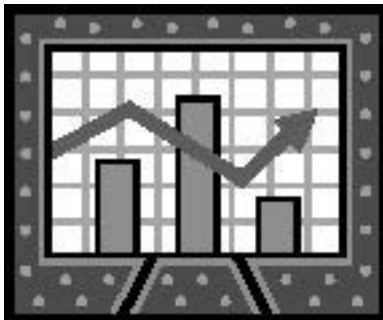
Maps, Graphs & Charts

grades 5 & 6

**DO NOT OPEN TEST
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Europe Political Relief Map

1. The Danube River forms part of the border of what country?
   a. Estonia
   b. Portugal
   c. Romania
   d. Iceland

2. What city with a population of over one million is located at 48°N and 38°E?
   a. Volgograd, Russia
   b. Donetsk, Ukraine
   c. Odessa, Ukraine
   d. Voronezh, Russia

3. How far is it from the capital of Austria to the capital of Montenegro?
   a. About 200 miles
   b. About 400 miles
   c. About 800 miles
   d. About 1,000 miles

4. The island of Bornholm is a territory of what country?
   a. Denmark
   b. Bulgaria
   c. Latvia
   d. Finland

5. The most densely populated country is located on the shores of what sea?
   a. Irish Sea
   b. North Sea
   c. Ligurian Sea
   d. Adriatic Sea

6. What does the small red square on the eastern coast of Italy indicate?
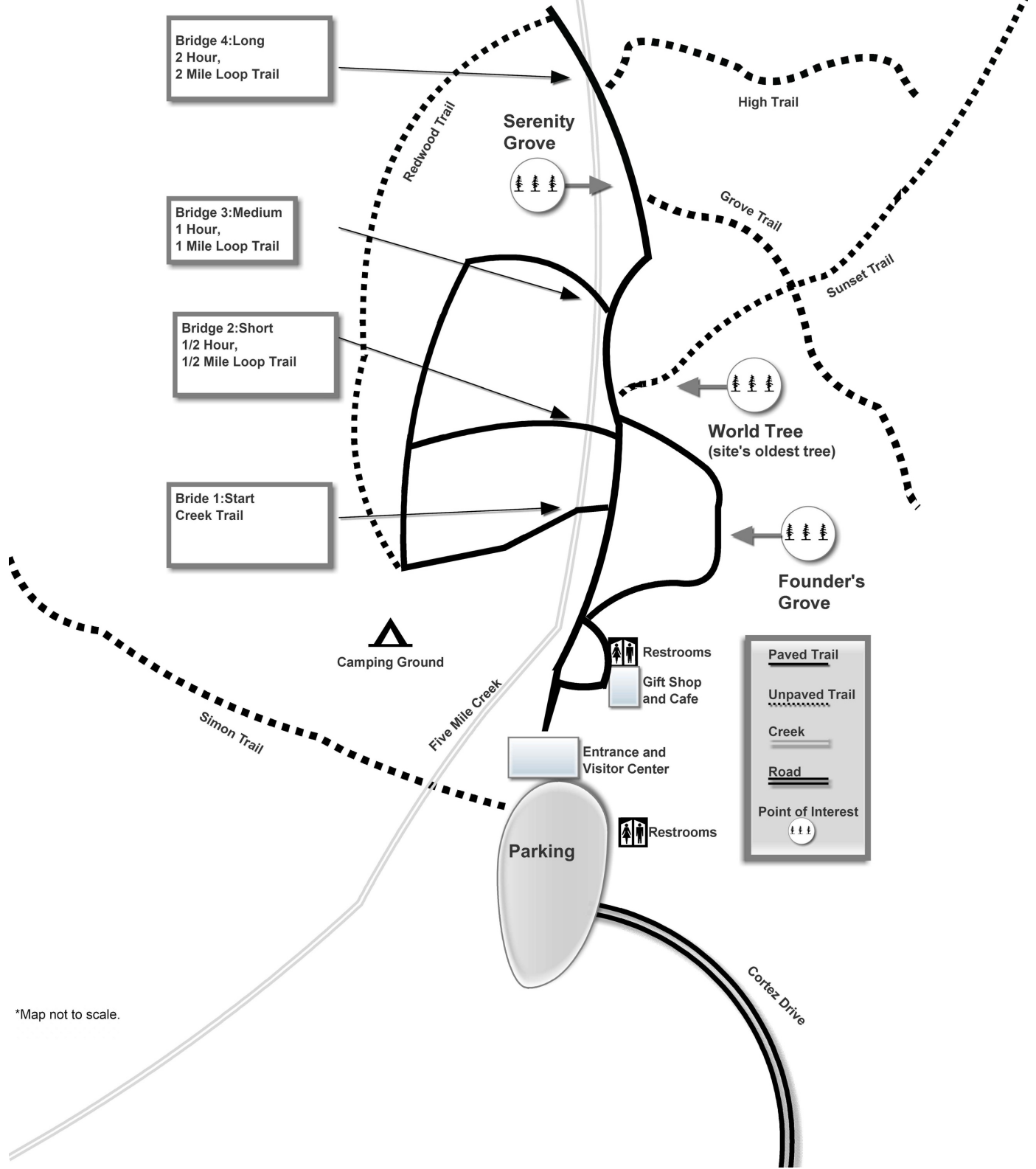   a. Waterfalls
   b. Seasonal lake
   c. State capital
   d. Small country

7. Which French city with a population of over one million is located on the Loire River?
   a. Toulouse
   b. Nantes
   c. Lyon
   d. None of the above

8. Which of the following countries have canals?
   a. France
   b. Belarus
   c. Ireland
   d. All of the above

9. Which of the following is located west of the Prime Meridian?
   a. Turin, Italy
   b. Cork, Ireland
   c. Cologne, Germany
   d. None of the above

10. What is the name of the body of water north of Hammerfest, Norway?
    a. North Sea
    b. Norwegian Sea
    c. Atlantic Ocean
    d. Arctic Ocean

11. Which of the following countries is intercontinental?
    a. Russia
    b. Turkey
    c. Kazakhstan
    d. All of the above

12. Which of the following countries has its capital on the shores of the Gulf of Finland?
    a. Sweden
    b. Russia
    c. Denmark
    d. Estonia

13. The Rhine River runs through what portion of Germany?
    a. North
    b. West
    c. South
    d. East

14. Bosnia has a disputed border with what country?
    a. Croatia
    b. Serbia
    c. Montenegro
    d. None of the above

15. Which river is not located in Russia?
    a. Ob River
    b. Ebro River
    c. Oka River
    d. Don River

Fall 5/6 2022-2023

Cortez Woods

Open To Daily: 7a.m. until 7 p.m.
Overnight Camping In Designated Spaces Only
(Overnight camping passes for sale only available
at www.cortezwoods.gov)

$15.00-Adult (16 years of age and older)
Free-Children (15 years of age and under)

Cortez Woods Annual Pass $45.00 This
pass is good for 12 months. It admits the
pass holder and three persons (16 and older)

Bridge 4:Long
2 Hour,
2 Mile Loop Trail

High Trail

**Serenity
Grove**

Redwood Trail

Bridge 3:Medium
1 Hour,
1 Mile Loop Trail

Grove Trail

Sunset Trail

Bridge 2:Short
1/2 Hour,
1/2 Mile Loop Trail

**World Tree
(site's oldest tree)**

Bride 1:Start
Creek Trail

**Founder's
Grove**

Camping Ground

Restrooms

Gift Shop
and Cafe

Five Mile Creek

Simon Trail

Entrance and
Visitor Center

Restrooms

Parking

Cortez Drive

Paved Trail

Unpaved Trail

Creek

Road

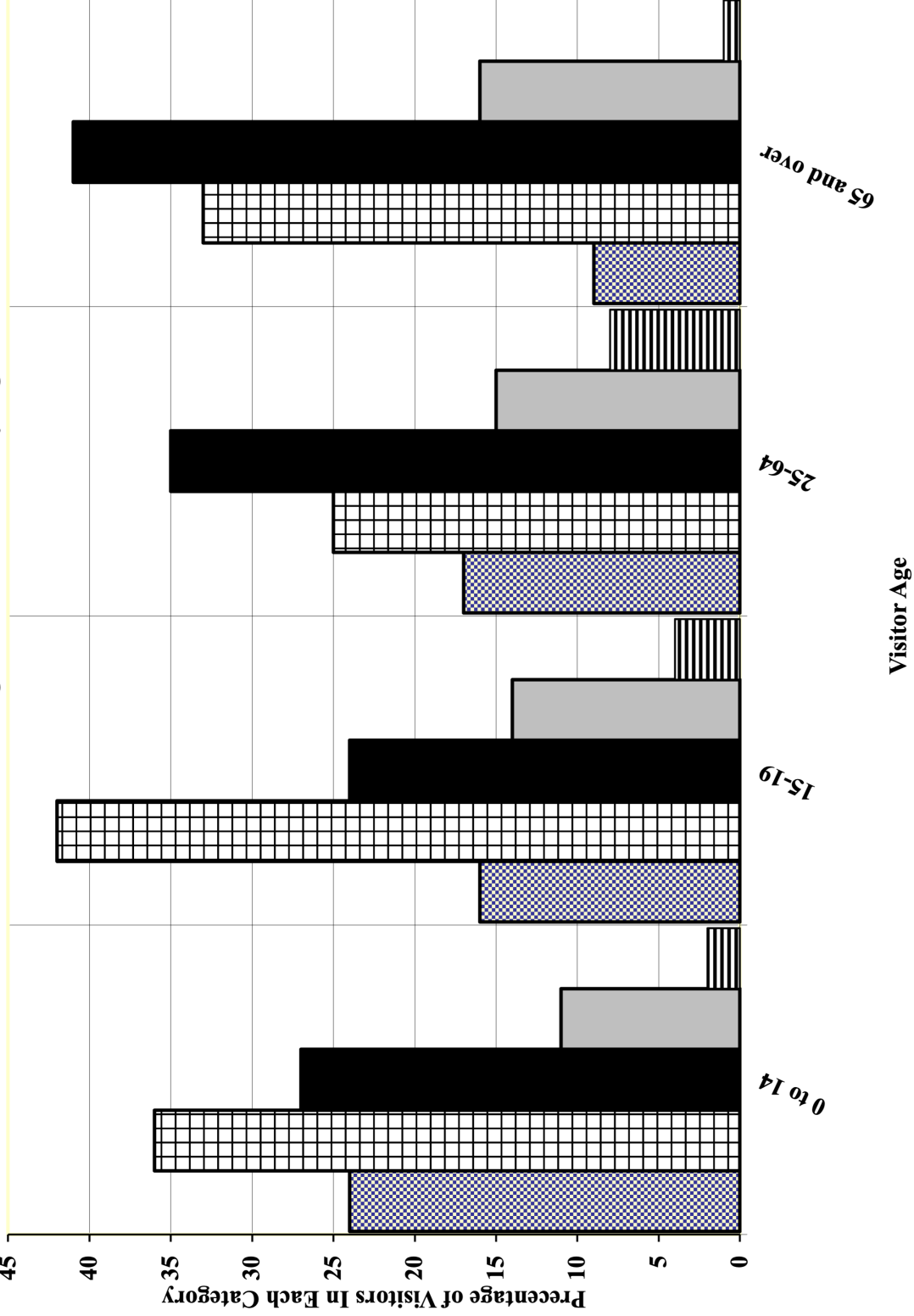**Point of Interest**

*Map not to scale.

Cortez Woods Map

16. Where is the entrance to Cortez Woods located?
    a. The southern side
    b. The western side
    c. The northern side
    d. The eastern side

17. Which of the following bridges leads to the longest loop trail?
    a. Bridge 2
    b. Bridge 3
    c. Bridge 4
    d. None of the above

18. Driving in what direction on Cortez Drive takes you to Cortez Woods?
    a. Southeast
    b. Northeast
    c. Southwest
    d. Northwest

19. How many unpaved trails are indicated?
    a. 0
    b. 1
    c. 3
    d. 5

20. Which "Point of Interest" is the furthest east?
    a. Serenity Grove
    b. High Trail
    c. Founder's Grove
    d. Camping Ground

21. How far is it from the parking lot to Serenity Grove?
    a. About half a mile
    b. About a mile
    c. About two miles
    d. Scale not indicated

22. How many unpaved trails cross Five Mile Creek?
    a. 0
    b. 1
    c. 3
    d. 5

23. How much in the entrance fee for a fourteen-year-old?
    a. Admission is free
    b. $15
    c. $45
    d. None of the above

24. What trail leads to the World Tree?
    a. Redwood Trail
    b. Sunset Trail
    c. High Trail
    d. Simon Trail

25. How many restrooms are indicated on the map?
    a. 0
    b. 1
    c. 2
    d. 3

TRUE/FALSE

26. There are four bridges across Five Mile Creek on the paved trails.

27. Overnight camping tickets are available at the Entrance/Visitor Center.

28. Serenity Grove is the only point of interest west of Five Mile Creek.

29. Simon Trail is the only unpaved trail accessible from the parking lot.

30. Overnight campers are free to camp anywhere west of the creek.

Average Visit Duration By Age in 2020

Legend:
- 0-1 Hours
- 1-2 Hours
- 2-3 Hours
- 3-4 Hours
- 4 or More Hours

X-axis (Visitor Age): 0 to 14, 15-19, 25-64, 65 and over

Y-axis (Percentage of Visitors In Each Category): 0, 5, 10, 15, 20, 25, 30, 35, 40, 45

Average Visit Duration by Age in 2020

31. What does the black bar represent?
    a. 15-19 year olds
    b. 25-64 year olds
    c. Visit durations of 2-3 hours
    d. Visit durations of 3-4 hours

32. What does the y axis represent?
    a. The number of visitors
    b. The age group of particular visitors
    c. The percentage of visitors in a particular category
    d. None of the above

33. Which age group had the highest percentage of visits of four or more hours?
    a. 0-14
    b. 15-19
    c. 25-64
    d. 65 and over

34. What span of time does the graph cover?
    a. One year
    b. Five years
    c. Sixty-five and over
    d. One day

35. What visit duration is most common for the oldest age group?
    a. Visit durations of 0-1 hours
    b. Visit durations of 1-2 hours
    c. Visit durations of 2-3 hours
    d. Visit durations of 3-4 hours

36. How many age groups are represented?
    a. 1
    b. 2
    c. 4
    d. 5

37. In how many age groups were 1-2 hour visits the most common?
    a. 0
    b. 1
    c. 2
    d. 4

38. In how many age groups was the percentage of 1-2 hour visits at least double that of 3-4 hour visits?
    a. 0
    b. 1
    c. 3
    d. 4

39. What duration of visit was the lowest among the most age groups?
    a. Visit durations of 0-1 hours
    b. Visit durations of 1-2 hours
    c. Visit durations of 2-3 hours
    d. Visit durations of 4 or more hours

40. Which age group had the highest amount of total visitors?
    a. 0-14
    b. 15-19
    c. 25-64
    d. Data not available

TRUE/FALSE

41. Total percentage totals of all visit durations for each age group equals 100%

42. One hour or less visit durations were most common across three of the four age groups.

43. The 15-19 age group was had the highest percentage of 2-3 hour visits.

44. Someone in the youngest age group is the most likely to leave after less than an hour.

45. The 25-64 age group had the least difference between the highest and lowest amount of visit duration percentage.

46. The largest lake on the continent is on the border of which country?
    a. United Kingdom
    b. Finland
    c. Russia
    d. Spain

47. What is the main land cover type of Sweden?
    a. Tundra
    b. Glacier
    c. Cropland
    d. Needleleaf Forest

48. Which of the following countries gets its highest percentage of electricity from fossil fuels?
    a. Germany
    b. Poland
    c. Spain
    d. Austria

49. How far is it from Bilbao, Spain to Valladolid, Spain?
    a. About 150 miles
    b. About 300 miles
    c. About 450 miles
    d. About 600 miles

50. What does a line of white dots on a Political Relief map indicate?
    a. International boundary
    b. Continental boundary
    c. Canal
    d. State boundary

51. Which of the following Swedish cities is located north of the Arctic Circle?
    a. Bodo
    b. Vadso
    c. Kiruna
    d. None of the above

52. Which of the following has negative population growth?
    a. Russia
    b. Albania
    c. France
    d. The World

53. Which of the following countries has a marine climate?
    a. Moldovia
    b. Estonia
    c. Bosnia
    d. Belgium

54. Wetlands can be found in what country?
    a. Russia
    b. Finland
    c. Estonia
    d. All of the above

55. What is the world's largest country?
    a. Canada
    b. China
    c. Russia
    d. Spain

TRUE/FALSE

56. Lake Inari is located in Northern Finland.

57. The elevation on the coast of the Netherlands can reach above 5,000 feet.

58. The single country that receives the highest amount of European Union exports is the United States.

59. The least densely populated country is Iceland.

60. The Ural Mountains create the intercontinental boundary inside of Turkey.

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Entry Fee Revenue 2019 through 2021 by Age Category

Entry Fees Revenue in Thousands of Dollars

2019 Entry Fees
2020 Entry Fees
2021 Entry Fees
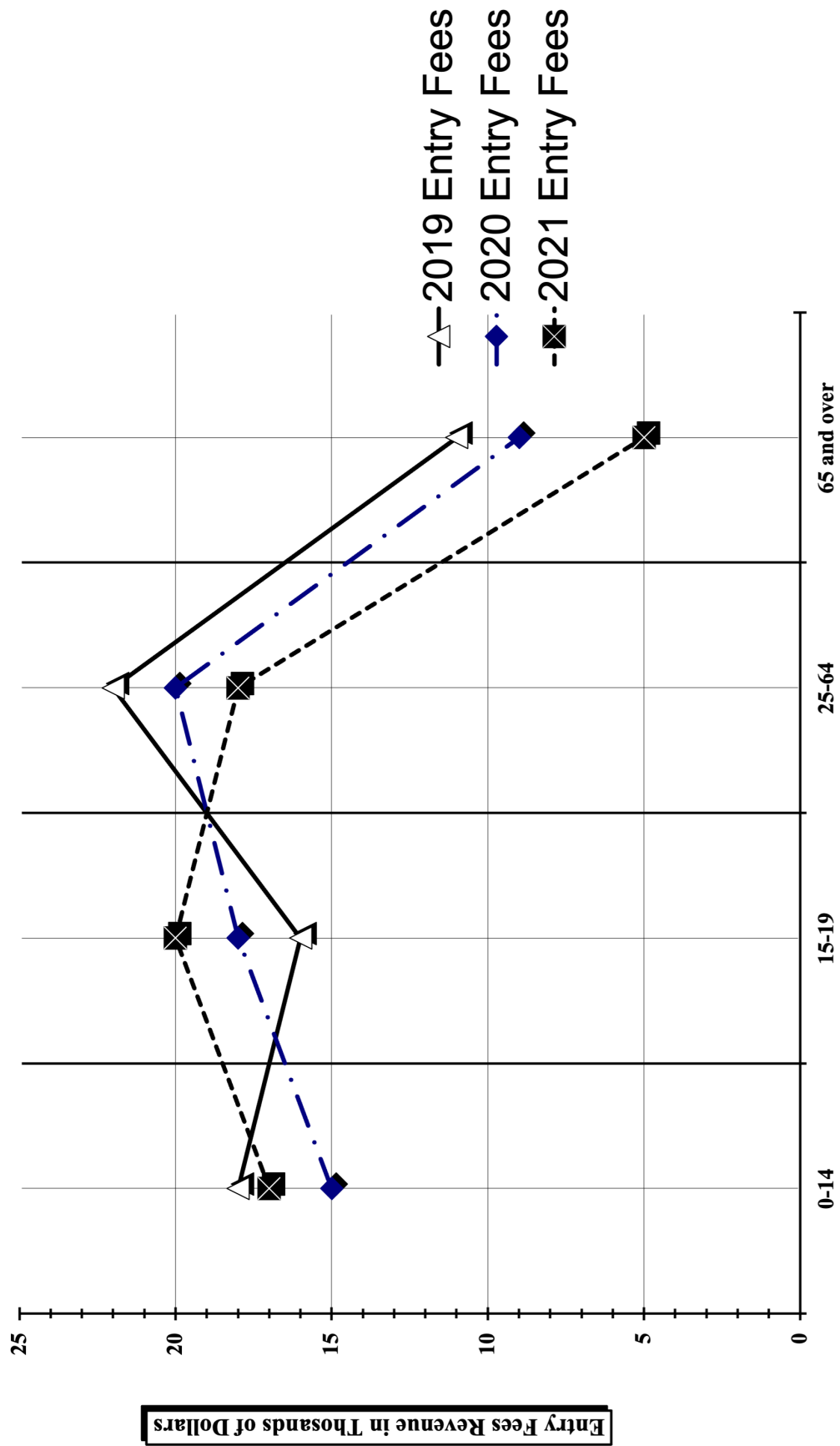
Entry Fee Revenue

61. What does the line with the triangle represent?
    a. Amount of revenue generated
    b. 0-14 Age group
    c. 2019 entry fees
    d. None of the above

62. What year did the 15-19 age group generate the most revenue?
    a. 2017
    b. 2019
    c. 2020
    d. 2021

63. What do the numbers on the left side of the graph represent?
    a. Year
    b. Revenue in thousands of dollars
    c. Age groups
    d. None of the above

64. Which age group generated the most in 2020?
    a. 0-14
    b. 15-19
    c. 25-64
    d. 65 and over

65. In what year was the most revenue generated?
    a. 2019
    b. 2020
    c. 2021
    d. Information not available

66. How much did revenue in the 65 and over age group drop in 2021 compared to the previous year?
    a. About $2,000
    b. About $4,000
    c. About $6,000
    d. About $8,000

67. In how many years did the youngest age group draw in more revenue than the oldest age group?
    a. 0
    b. 1
    c. 2
    d. 3

68. In what year did attendance for all age groups generate at least $15,000?
    a. 2019
    b. 2020
    c. 2021
    d. None of the above

69. What age group saw an increase in revenue every year?
    a. 0-14
    b. 15-19
    c. 25-64
    d. 65 and over

70. In what year did revenue from the 0-14 age group peak?
    a. 2019
    b. 2020
    c. 2021
    d. Information not available

TRUE/FALSE

71. Revenue from the 65 and over group was always the lowest.

72. Revenue from most groups never fell below $15,000 in a single year.

73. The age group that reached over $20,000 in revenue the most years was the 15 -19 age group.

74. Two age groups saw decreases every year.

75. The 15-19 age group generated more revenue than the 0-14 age group every year.

University Interscholastic League
A+ Maps/Graphs/Charts Contest • 2022-2023
5/6 Fall
Answer Key

1. C	26. T	51. C
2. B	27. F	52. A
3. B	28. F	53. D
4. A	29. T	54. D
5. C	30. F	55. C
6. D	31. C	56. T
7. D	32. C	57. F
8. D	33. C	58. T
9. B	34. A	59. T
10. D	35. C	60. F
11. D	36. C	61. C
12. D	37. C	62. D
13. B	38. C	63. B
14. D	39. D	64. C
15. B	40. D	65. A
16. A	41. T	66. B
17. C	42. F	67. D
18. D	43. F	68. D
19. D	44. T	69. B
20. C	45. T	70. A
21. D	46. C	71. T
22. B	47. D	72. T
23. A	48. B	73. F
24. B	49. A	74. T
25. C	50. B	75. F

A+ ACADEMICS

UIL

University Interscholastic League
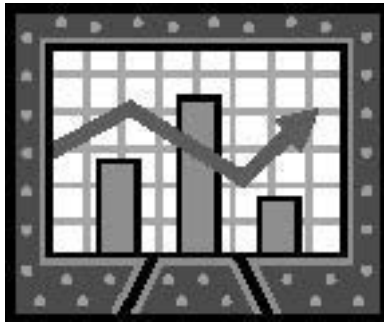
Maps, Graphs & Charts

grades 7 & 8

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Africa

1. How far is it from Bardai, Chad to Al Jawf, Libya?
    a. About 350 kilometers
    b. About 550 kilometers
    c. About 750 kilometers
    d. About 950 kilometers

2. Which nation has the highest population growth?
    a. Ethiopia
    b. Niger
    c. South Africa
    d. The World

3. Wetlands can be found in what country?
    a. Algeria
    b. Madagascar
    c. Uganda
    d. Tanzania

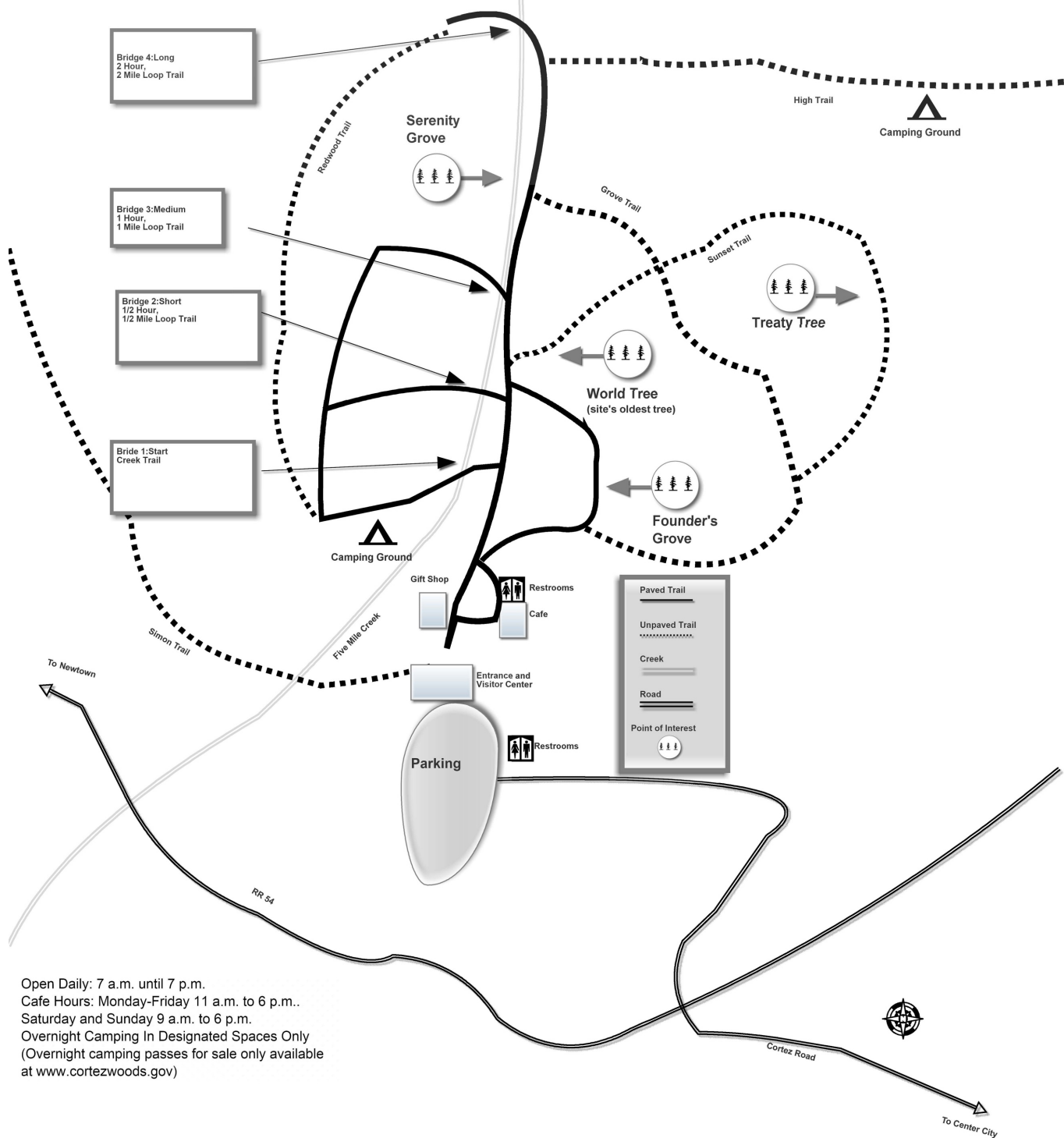4. What city with a population of over one million is on the shores of the Indian Ocean?
    a. Beira, Mozambique
    b. Durban, South Africa
    c. Port Elizabeth, South Africa
    d. None of the above

5. The Atlas Mountains form the border between Algeria and what other country?
    a. Libya
    b. Mali
    c. Morocco
    d. Niger

6. Mount Tahat is located in what country?
    a. Algeria
    b. South Africa
    c. Ethiopia
    d. None of the above

7. Which of the following cities in Nigeria has the largest population?
    a. Bauchi
    b. Enugu
    c. Ibadan
    d. Iwo

8. How long is the Great Rift Valley?
    a. About 1,500 miles
    b. About 2,500 miles
    c. About 4,500 miles
    d. About 6,5000 miles

9. The Niger River connects with what other river in central Nigeria?
    a. Bani
    b. Benue
    c. Gambia
    d. Nile

10. What is the elevation level of Luanda, Angola?
    a. Below sea level
    b. 0-500 feet
    c. 150-300 feet
    d. 300 to 600 feet

11. The largest urban area is in what part of the continent?
    a. North
    b. South
    c. East
    d. West

12. What city is located at 9.14° N, 18.36° E?
    a. Bangui, Central African Republic
    b. Garoua, Cameroon
    c. Sarh, Chad
    d. None of the above

13. Which city gets the most precipitation?
    a. Buchanan, Liberia
    b. Luxor, Egypt
    c. Oran, Algeria
    d. Port Elizabeth, South Africa

14. Areas of urban land use can be found in what area of Algeria?
    a. North
    b. South
    c. East
    d. West

15. Which country has the lowest incidence of AIDS?
    a. Congo
    b. Egypt
    c. Mali
    d. Namibia

Cortez Woods
National Monument Forest

$15.00-Adult (18 and older)
$10.00-Youth (13-17)
Free- Children (12 and under)

Cortez Woods Annual Pass $45.00 Pass is good for 12 months. It admits the pass holder and three persons (13 and older).

Bridge 4:Long
2 Hour,
2 Mile Loop Trail

Bridge 3:Medium
1 Hour,
1 Mile Loop Trail

Bridge 2:Short
1/2 Hour,
1/2 Mile Loop Trail

Bride 1:Start
Creek Trail

Redwood Trail

Serenity Grove

High Trail

Camping Ground

Grove Trail

Sunset Trail

Treaty *Tree*

World Tree
(site's oldest tree)

Founder's Grove

Simon Trail

Camping Ground

Gift Shop

Restrooms

Cafe

To Newtown

Five Mile Creek

Entrance and Visitor Center

Parking

Restrooms

RR 54

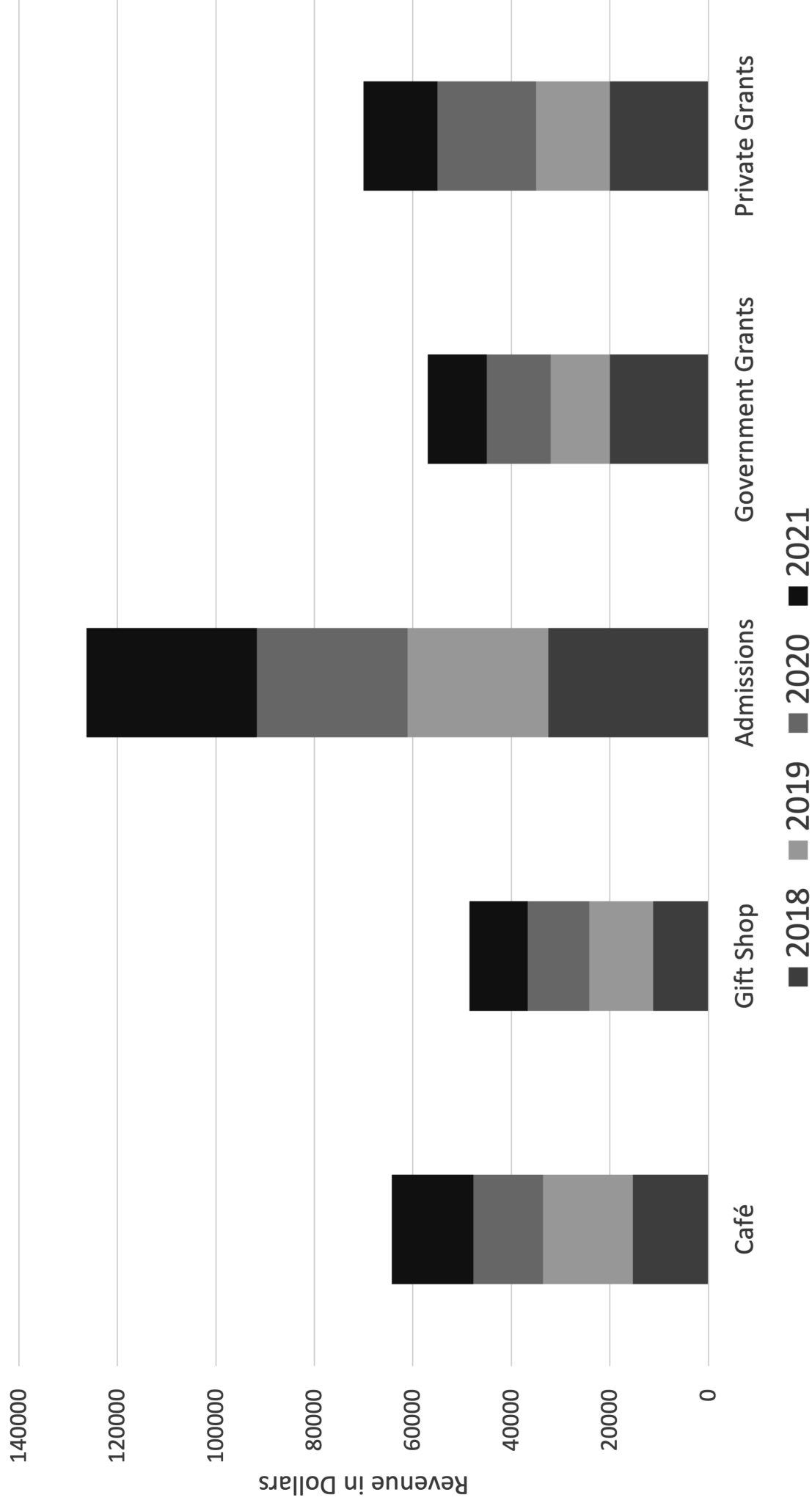| Paved Trail	
Unpaved Trail	
Creek	
Road	
Point of Interest	

Cortez Road

To Center City

Open Daily: 7 a.m. until 7 p.m.
Cafe Hours: Monday-Friday 11 a.m. to 6 p.m..
Saturday and Sunday 9 a.m. to 6 p.m.
Overnight Camping In Designated Spaces Only
(Overnight camping passes for sale only available
at www.cortezwoods.gov)

Cortez Woods

16. What does the light grey double line represent?
    a. Paved trail
    b. Unpaved trail
    c. Creek
    d. Road

17. What time does the café close on weekends?
    a. 5 p.m.
    b. 6 p.m.
    c. 7 p.m.
    d. Not indicated on map

18. Which trail runs mainly east and west?
    a. Simon Trail
    b. RR 54
    c. Redwood Trail
    d. None of the above

19. How do visitors driving in reach the parking area?
    a. By heading southwest on RR 54
    b. By heading northwest on RR 54
    c. By heading southwest on Cortez Road
    d. By heading northwest on Cortez Road

20. How many camping grounds are located west of the creek?
    a. 0
    b. 1
    c. 2
    d. 3

21. Which point of interest is located closest to the entrance?
    a. Serenity Grove
    b. World Tree
    c. Treaty Tree
    d. Founder's Grove

22. Which road leads to Newtown?
    a. Cortez Road
    b. RR 54
    c. Simon Trail
    d. None of the above

23. Which bridge takes visitors on the longest paved trail loop?
    a. Bridge 2
    b. Bridge 3
    c. Bridge 4
    d. Bridge 5

24. How many people over the age of twelve can enter daily on a single annual pass?
    a. 1
    b. 2
    c. 3
    d. 4

25. How many unpaved trails cross the creek?
    a. 0
    b. 1
    c. 2
    d. 4

TRUE/FALSE

26. The northern camping ground is accessible from a paved path.

27. Adult tickets cost twice as much as tickets for eighteen year olds.

28. The Cafe closes at 6 p.m. on Sundays.

29. Only three of the unpaved trails cross one another.

30. The Gift Shop is located directly across the creek from the café.

Cortez Woods Revenue By Year and Type

Revenue in Dollars

Legend: 2018, 2019, 2020, 2021

Categories: Café, Gift Shop, Admissions, Government Grants, Private Grants

Cortez Woods Revenue

31. What does each differently shaded portion of a column represent?
    a. The year
    b. Source of income
    c. The amount of income
    d. None of the above

32. In what year did government grants generate the most revenue?
    a. 2018
    b. 2019
    c. 2020
    d. 2021

33. How many different sources of income are tracked on the graph?
    a. 0
    b. 3
    c. 4
    d. 5

34. In what year did the gift shop generate the least amount of revenue?
    a. 2018
    b. 2019
    c. 2020
    d. 2021

35. What single source of revenue generated the most money in 2019?
    a. Cafe
    b. Gift Shop
    c. Government Grants
    d. Private Grants

36. In how many years was revenue from admissions at least twice the amount of every other single source?
    a. 0
    b. 1
    c. 3
    d. 4

37. Which source of income generated the least amount of revenue over the time covered by the chart?
    a. Cafe
    b. Gift Shop
    c. Government Grants
    d. Private Grants

38. What year is represented on the bottom section of each column?
    a. 2018
    b. 2019
    c. 2020
    d. 2021

39. In how many years did the café generate more income than the gift shop?
    a. 0
    b. 1
    c. 3
    d. 4

40. Which source of income had the highest drop from 2020 to 2021?
    a. Cafe
    b. Gift Shop
    c. Government Grants
   d. Private Grants

TRUE/FALSE

41. Government grants peaked in 2018.

42. Admissions pulled in the most revenue every year.

43. Private grants never fell below the level of government grants.

44. The gift shop is the only source of income that fell below $10,000 in a single year.

45. Total revenue for all sources combined exceeded $50,000 every year.

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46. What is the main land cover type of the Amazon Basin?
    a. Cropland
    b. Grassland
    c. Broadleaf forest
    d. Tropical rain forest

47. Which of the following crops is grown at the lowest elevation?
    a. Cacao
    b. Coffee
    c. Wheat
    d. Barley

48. Which of the following countries has the highest percentage of indigenous South Americans?
    a. Brazil
    b. Bolivia
    c. Peru
    d. Venezuela

49. What Brazilian city of over one million is located on the shores of the Amazon River?
    a. Fortaleza
    b. Manaus
    c. Porto Alegre
    d. Santarem

50. San Ambrosio Island is a territory of what country?
    a. Brazil
    b. Chile
    c. Guyana
    d. Uruguay

51. Which of the following country capitals is nearest the equator?
    a. Brazil
    b. Colombia
    c. Argentina
    d. Ecuador

52. Tundra can be found in what country?
    a. Argentina
    b. Bolivia
    c. Chile
    d. All of the above

53. Which of the following resources can be found in Guyana?
    a. Bauxite
    b. Coal
    c. Silver
    d. Zinc

54. What is the population level of Cochabamba, Bolivia?
    a. Under 100,000
    b. 100,00 to 500,000
    c. 500,000 to 1,000,000
    d. Over 1,000,000

55. How many species of plants, animals and insects disappear every day due to deforestation?
    a. Between 25 and 50
    b. Between 50 and 100
    c. Between 100 to 140
    d. Over 200

TRUE/FALSE

56. Dry conditions in the Atacama Desert are caused by the warm Atlantic current.

57. Argentina is the largest country on the continent.

58. The Drake Passage is off the south coast of the continent.

59. Chile sends most of its exports to Japan.

60. The highest mountain peak on the continent is in Argentina.

Cortez Woods Temperature and Visitor Data

Averag Fahrenheite Temperature
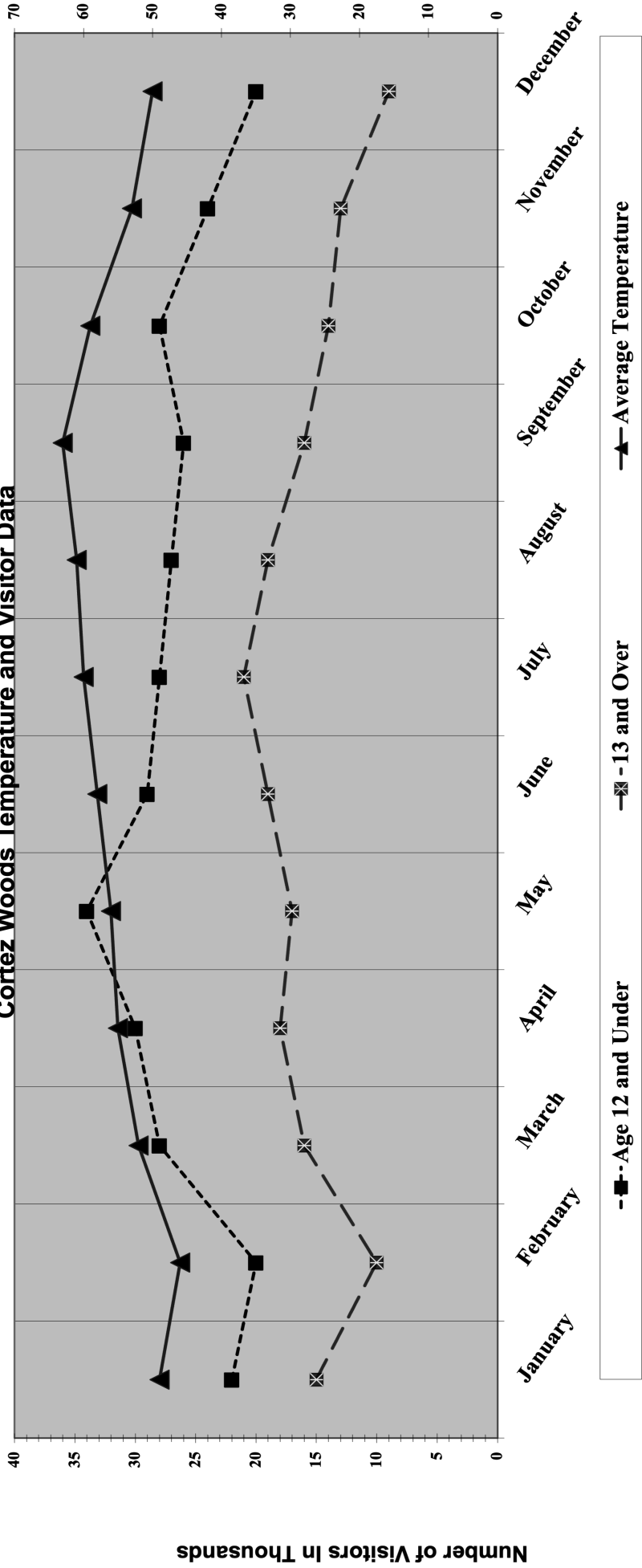
Number of Visitors In Thousands

▲— Average Temperature

✳-- 13 and Over

■--Age 12 and Under

Cortez Woods Temperature and Visitor Data

61. What does the line with the triangle represent?
    a. The year
    b. Visitors 12 and under
    c. Visitors 13 and over
    d. Average temperature

62. What month is the coldest in Cortez Woods?
    a. January
    b. February
    c. October
    d. November

63. What do the numbers on the left side of the y axis indicate?
    a. The year
    b. The month
    c. The amount of visitors in thousands
    d. The temperature

64. What year does the data represent?
    a. 2018
    b. 2019
    c. 2020
    d. Not indicated

65. In how many months were there more visitors thirteen and over than those twelve and under?
    a. 0
    b. 1
    c. 2
    d. 4

66. What month had the highest combined visitors?
    a. March
    b. May
    c. August
    d. October

67. Which month had the smallest difference between the two categories of visitors?
    a. January
    b. April
    c. September
    d. December

68. How many months had increases in both sets of visitors compared to the previous month?
    a. 0
    b. 1
    c. 2
    d. 4

69. In how many months did attendance for the twelve and under group fall below 2,500?
    a. 0
    b. 1
    c. 2
    d. 4

70. What is the range between the highest and lowest average temperature?
    a. 12 degrees
    b. 17 degrees
    c. 22 degrees
    d. 27 degrees

TRUE/FALSE

71. The highest temperature in a single day would have been 63 degrees.

72. Total attendance for the year for visitors twelve and under was above 300,000.

73. The month with the highest average temperature had the most visitors.

74. December was the month with the lowest attendance for 13 and over visitors.

75. Average temperatures fell every month after August.

University Interscholastic League
A+ Maps/Graphs/Charts Contest • 2022-2023
7/8 Fall/Winter District
Answer Key

1. C	26. F	51. D
2. B	27. F	52. D
3. C	28. T	53. A
4. B	29. F	54. C
5. C	30. F	55. C
6. A	31. A	56. F
7. C	32. A	57. F
8. C	33. D	58. T
9. B	34. A	59. F
10. B	35. A	60. T
11. A	36. B	61. D
12. C	37. B	62. B
13. A	38. A	63. C
14. A	39. D	64. D
15. B	40. D	65. A
16. C	41. T	66. B
17. B	42. T	67. A
18. D	43. T	68. C
19. D	44. F	69. A
20. B	45. T	70. B
21. D	46. D	71. F
22. B	47. A	72. T
23. B	48. B	73. F
24. D	49. B	74. T
25. B	50. B	75. F

A+ ACADEMICS

University Interscholastic League
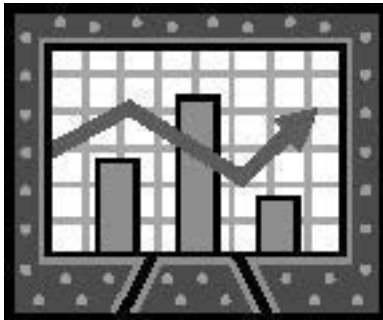
Maps, Graphs & Charts
grades 5 & 6

**DO NOT OPEN TEST
UNTIL TOLD TO DO SO**

Europe Political Relief Map

1. Which of the following Russian cities is on the shores of a river?
   a. Orel
   b. Kursk
   c. Tver
   d. All of the above

2. What is the capital of Germany?
   a. Bonn
   b. Prague
   c. Berlin
   d. Hamburg

3. What country is Lake Vanern located in?
   a. Russia
   b. Spain
   c. Ukraine
   d. None of the above

4. Which of the following is west of the Prime Meridian?
   a. Black Sea
   b. Guadiana River
   c. Barents Sea
   d. None of the above

5. Rockall Island is a territory of what country?
   a. Russia
   b. United Kingdom
   c. Sweden
   d. Ireland

6. What does a line of red dots on the map represent?
   a. Continental boundary
   b. International boundary
   c. Disputed boundary
   d. State boundary

7. What is the name of the body of water on the northern tip of Estonia?
   a. Gulf of Finland
   b. White Sea
   c. Aegean Sea
   d. Ural River

8. What country is Lapland located in?
   a. Finland
   b. Russia
   c. Sweden
   d. All of the above

9. Canals run through which of the following French cities?
   a. Dublin
   b. Toulouse
   c. Limoges
   d. Lyon

10. What of the following cities with a population of over one million is the furthest west?
    a. Istanbul, Turkey
    b. Belfast, Northern Ireland
    c. Milan, Italy
    d. Porto, Portugal

11. What country's capital can be found at 50°N?
    a. Russia
    b. Czech Republic
    c. Croatia
    d. None of the above

12. Which of the following countries is landlocked?
    a. Iceland
    b. Austria
    c. Albania
    d. Portugal

13. How many countries are located inside Italy?
    a. 0
    b. 1
    c. 2
    d. 3

14. Which of the following rivers runs through Russia?
    a. Thames River
    b. Rhine River
    c. Bug River
    d. Ural River

15. Which statement about the Sea of Marmara is true?
    a. It is located in southern Russia
    b. It is the largest sea in Europe
    c. It separates the European portion of Turkey from the Asian portion of Turkey
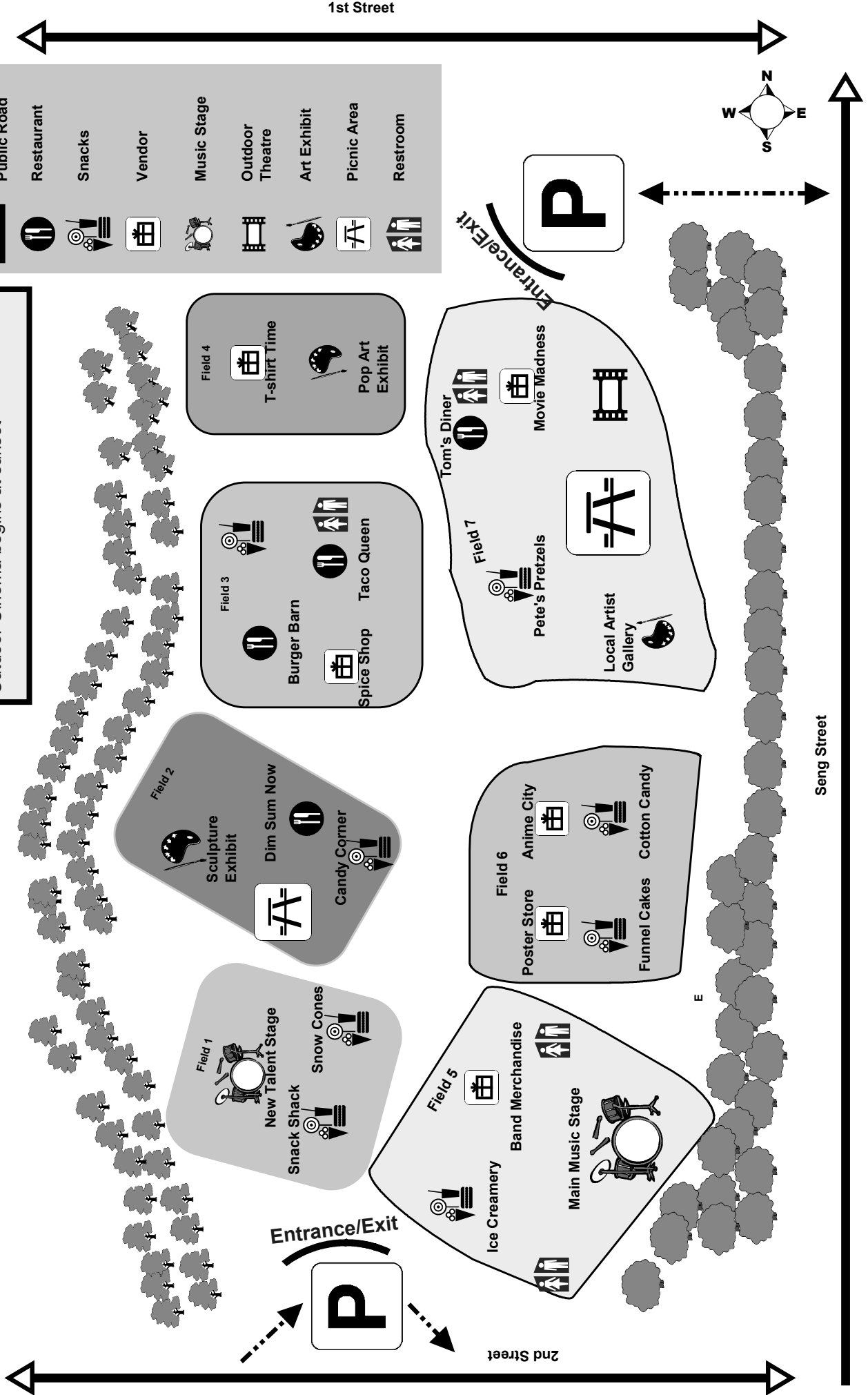   d. It creates the northern border of Turkey.

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Center City Music, Food and Arts Festival

Seng Street Site
www.centercityarts.org

Gates Open at 3 p.m. Gates close at 11 p.m.
Live music from 4 p.m. to 10 p.m.
Outdoor Cinema begins at sunset

1st Street

2nd Street

Seng Street

Entrance/Exit

Entrance/Exit

N
W E
S

Private Road	▪▪▪
Public Road	▬
Restaurant	🍴
Snacks	🍦
Vendor	⊞
Music Stage	🥁
Outdoor Theatre	🎞
Art Exhibit	🎨
Picnic Area	⛺
Restroom	🚻

Field 4
T-shirt Time ⊞
Pop Art Exhibit 🎨

Field 3
Burger Barn 🍴
Spice Shop ⊞
Taco Queen 🍴
🚻

Field 2
Sculpture Exhibit 🎨
Dim Sum Now 🍴
Candy Corner 🍦

Field 1
New Talent Stage 🥁
Snack Shack 🍦
Snow Cones 🍦

Field 7
Tom's Diner 🍴
🚻 ⊞
Movie Madness 🎞
Pete's Pretzels 🍦
Local Artist Gallery 🎨

Field 6
Poster Store ⊞
Anime City ⊞
Funnel Cakes 🍦
Cotton Candy 🍦

Field 5
Ice Creamery 🍦
Band Merchandise ⊞
Main Music Stage 🥁
🚻
🚻

P
P

E

Center City Music, Food and Arts Festival

16. How many art exhibits are located at the Seng Street site?
    a. 0
    b. 1
    c. 2
    d. 3

17. The parking lot at 1st and Seng is accessible by heading what direction on Seng Street?
    a. North
    b. South
    c. East
    d. West

18. What category does the Spice Shop fall under?
    a. Vendor
    b. Restaurant
    c. Snacks
    d. Art exhibit

19. The exit in the south parking lot heads in what direction?
    a. Northeast
    b. Northwest
    c. Southeast
    d. Southwest

20. What time does live music begin?
    a. 3 p.m.
    b. 4 p.m.
    c. Sunset
    d. 11 p.m.

21. How many other sites are involved in the festival?
    a. 0
    b. 4
    c. 6
    d. Not indicated

22. How many restrooms are located next to restaurants?
    a. 0
    b. 1
    c. 2
    d. 3

23. Which art exhibit is the furthest west?
    a. New Talent Stage
    b. Sculpture Exhibit
    c. Local Artist Gallery
    d. Pop Art Exhibit

24. How many public roads are represented on the map?
    a. 0
    b. 1
    c. 2
    d. 3

25. Which field has the most vendors?
    a. 1
    b. 2
    c. 5
    d. 6

TRUE/FALSE

26. Snacks are located on every field.

27. Most of the public roads on the map are two way streets.

28. The outdoor theatre is located near the south parking lot.

29. Gates open an hour before live music starts and ends an hour after live music ends.

30. There are more vendors than restaurants.

Art Festival Attendance by Year and Site

Legend: ⊠ 2019   ■ 2020   ≡ 2021

Y-axis (attendance): 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500

X-axis categories: Seng Street, Park Shores, City Center, Canal Street
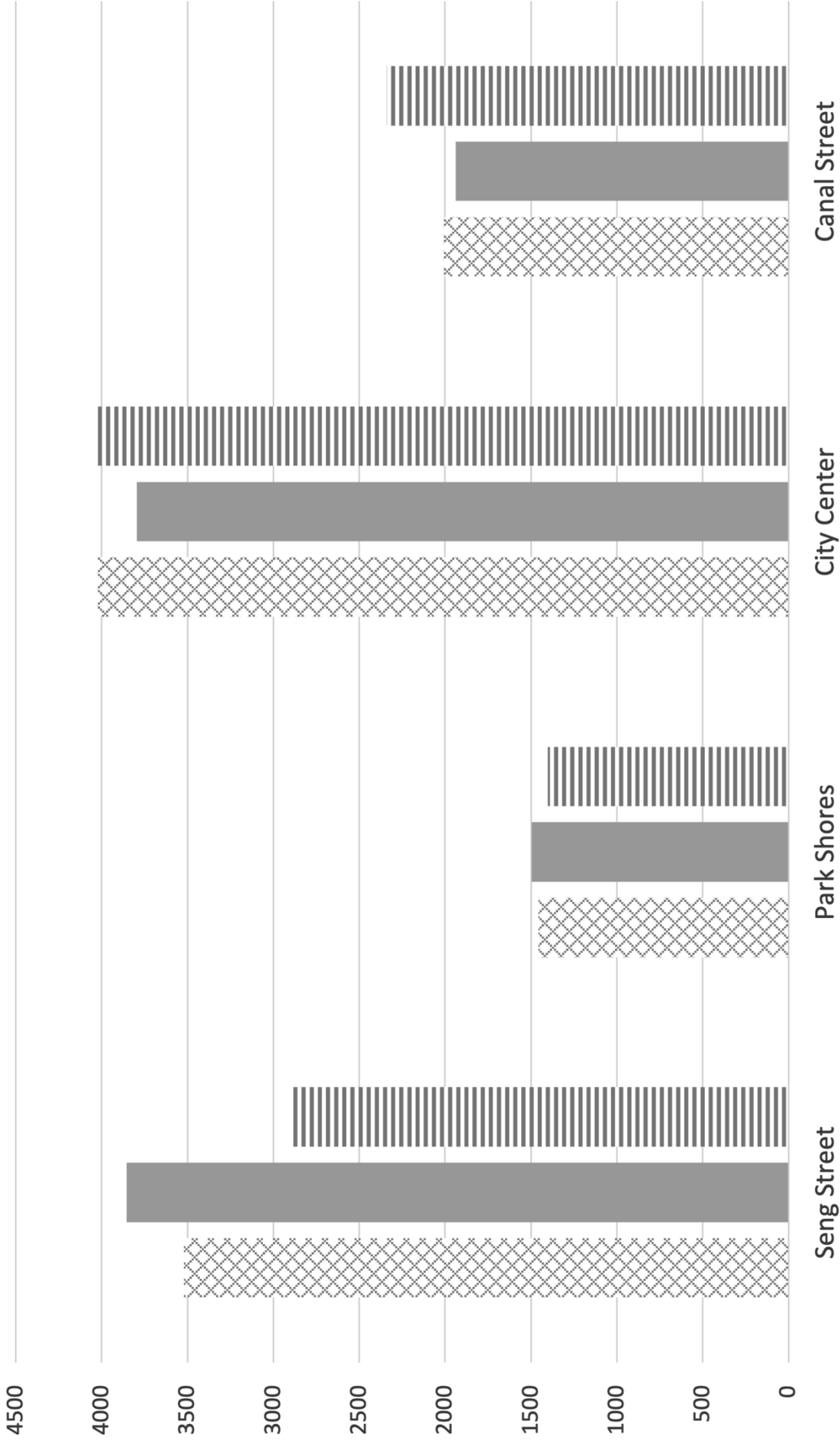
Art Festival Attendance by Year and Site

31. How many sites are indicated on the graph?
    a. 0
    b. 1
    c. 3
    d. 4

32. What does the x axis represent?
    a. Individual sites
    b. The year
    c. Number of attendees
    d. None of the above

33. Which site had the least amount of variation in attendance from year to year?
    a. City Center
    b. Canal Street
    c. Park Shores
    d. Seng Street

34. What span of time is covered by the graph?
    a. Three days
    b. Three weeks
    c. Three months
    d. Three years

35. What year did City Center have the lowest attendance?
    a. 2018
    b. 2019
    c. 2020
    d. 2021

36. What year had the highest attendance for all sites combined?
    a. 2018
    b. 2019
    c. 2020
    d. 2021

37. What site had the highest attendance in a single year?
    a. City Center
    b. Canal Street
    c. Park Shores
    d. Seng Street

38. How many sites had their lowest attendance in 2020?
    a. 0
    b. 1
    c. 2
    d. 3

39. What does the darkest column represent?
    a. Seng Street
    b. Park Shores
    c. 2019
    d. 2020

40. In how many years did Seng Street have the highest attendance
    a. 0
    b. 1
    c. 2
    d. 3

TRUE/FALSE

41. Park Shores had the lowest attendance every year.

42. Total yearly attendance for all sites combined stayed above 10,000.

43. City Street had at least twice the number of attendees as Park Shores every year.

44. Attendance at any site never rose above 4,000 in a single year.

45. Seng Street only had more attendees than City Center in two years.
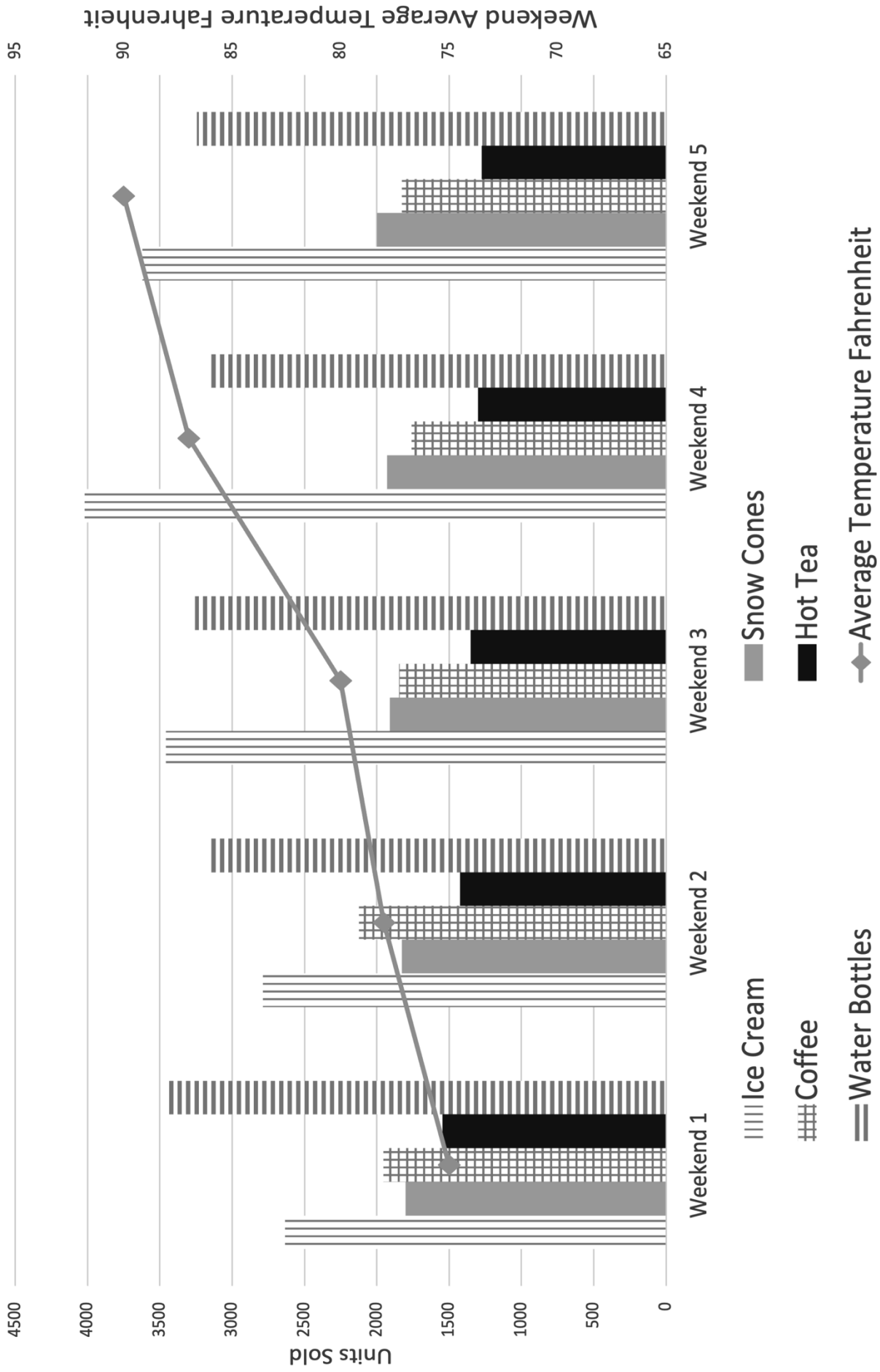
Europe (Various Maps)

46. Which of the following has areas below sea level?
    a. Spain
    b. Czech Republic
    c. Kazakhstan
    d. Hungary

47. Where is Siberia located?
    a. Sweden
    b. Ireland
    c. Greece
    d. Russia

48. Which of the following countries has a marine climate?
    a. France
    b. Italy
    c. Turkey
    d. Estonia

49. Aland Island is a territory of what country?
    a. Russia
    b. Finland
    c. Denmark
    d. Lithuania

50. How far is it from Munich, Germany to Frankfurt, Germany?
    a. About 100 miles
    b. About 200 miles
    c. About 400 miles
    d. About 800 miles

51. What is the most widespread type of land use in Belarus?
    a. Urban
    b. Commercial farming
    c. Forestry
    d. Ranching

52. The highest peak on the continent is located in what country located?
    a. France
    b. Ireland
    c. Spain
    d. Russia

53. What percentage of Iceland's electric energy comes from geothermal power?
    a. About 10%
    b. About 25%
    c. About 50%
    d. About 75%

54. Which of the following city's airports serves over 35 million passengers per year?
    a. Paris, France
    b. Moscow, Russia
    c. Oslo, Norway
    d. All of the above

55. What country capital is located on the shores of West Dvina River?
    a. Russia
    b. Norway
    c. Latvia
    d. Denmark

TRUE/FALSE

56. Canals are located just north of Lake Ladoga.

57. The land area of Asian Russia is more than twice that of European Russia.

58. Polders are areas of land that have been lost to rising sea level.

59. Most of Spain's coastline is on the shores of the Atlantic Ocean.

60. Aluminum can be found in Italy.

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Art Festival Drink/Snack Sales

Weekend Average Temperature Fahrenheit

Units Sold

Legend:
- Snow Cones
- Hot Tea
- Average Temperature Fahrenheit
- Ice Cream
- Coffee
- Water Bottles

Categories: Weekend 1, Weekend 2, Weekend 3, Weekend 4, Weekend 5

Art Festival Drink/Snack Sales

61. What does the x axis represent?
    a. Number of units sold
    b. Price of individual items
    c. A particular weekend
    d. The year

62. What does the darkest column represent?
    a. Ice cream
    b. Hot tea
    c. Water bottles
    d. Snow cones

63. How many items sold more than 3,000 units more than one weekend?
    a. 0
    b. 1
    c. 2
    d. 3

64. What do the numbers on the right side of y axis represent?
    a. Number of units sold
    b. Price of individual items
    c. A particular weekend
    d. Temperature

65. What amount of time is covered by the graph?
    a. One year
    b. One month
    c. Five weeks
    d. Five weekends

66. What weekend were the most snow cones sold?
    a. Weekend 1
    b. Weekend 2
    c. Weekend 4
    d. Weekend 5

67. What item had the highest amount of sales Weekend 3?
    a. Ice cream
    b. Coffee
    c. Hot Tea
    d. Water bottles

68. What does the line crossing across the columns represent?
    a. Low temperature
    b. High temperature
    c. Average temperature
    d. Units sold

69. Sales of how many items rose every weekend?
    a. 0
    b. 1
    c. 2
    d. 3

70. Weekend four saw the lowest sales for how many items?
    a. 0
    b. 1
    c. 3
    d. 4

TRUE/FALSE

71. Temperatures rose every weekend.

72. Ice cream hit the highest amount of single item sales over a single weekend.

73. Coffee sales increased every time average weekend temperature increased.

74. Water bottles were the only item that sold more than 3,000 units every weekend.

75. Hot tea sold the least amount every weekend.

1. D	26. F	51. B
2. C	27. T	52. D
3. D	28. F	53. C
4. B	29. T	54. A
5. B	30. T	55. C
6. C	31. D	56. F
7. A	32. A	57. T
8. D	33. C	58. F
9. B	34. D	59. F
10. C	35. C	60. T
11. B	36. C	61. C
12. B	37. A	62. B
13. C	38. C	63. C
14. D	39. C	64. D
15. C	40. B	65. D
16. D	41. T	66. D
17. A	42. T	67. A
18. A	43. T	68. C
19. C	44. F	69. B
20. B	45. F	70. B
21. D	46. C	71. T
22. C	47. D	72. T
23. B	48. A	73. F
24. D	49. B	74. T
25. D	50. B	75. T

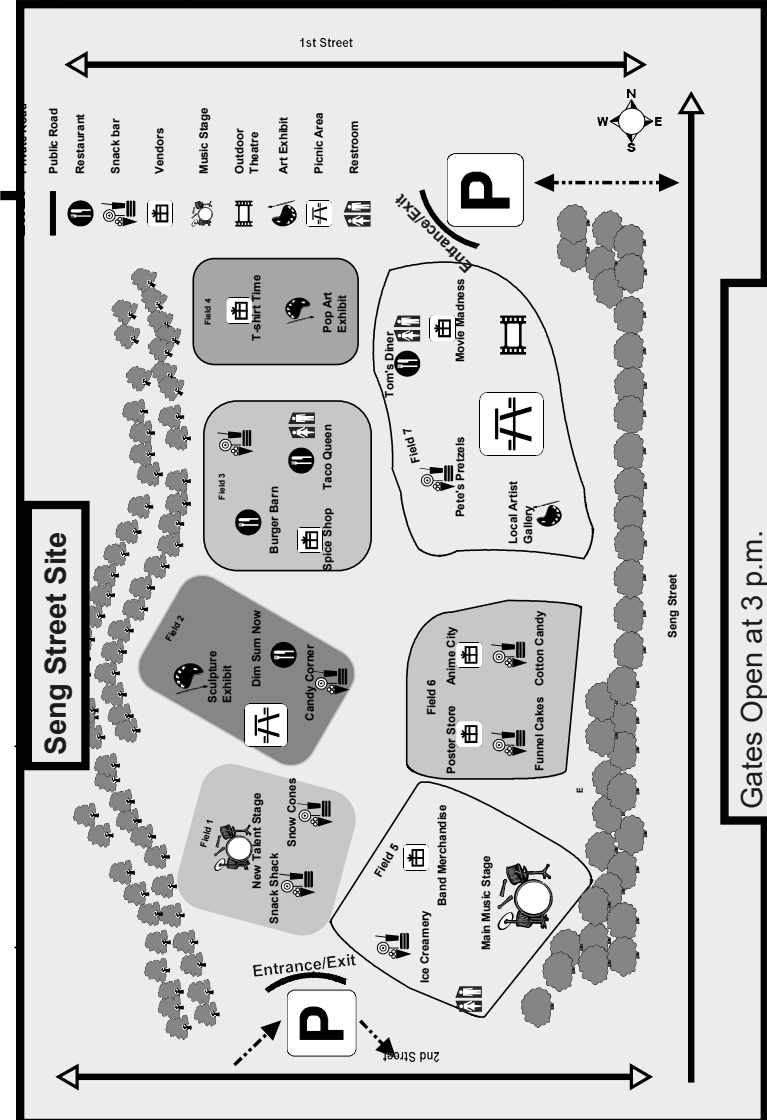University Interscholastic League
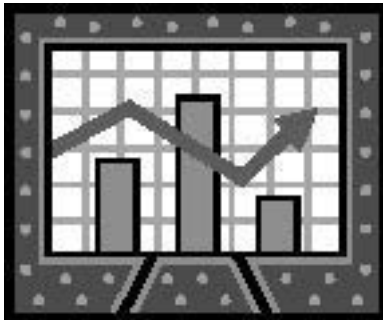
Maps, Graphs & Charts
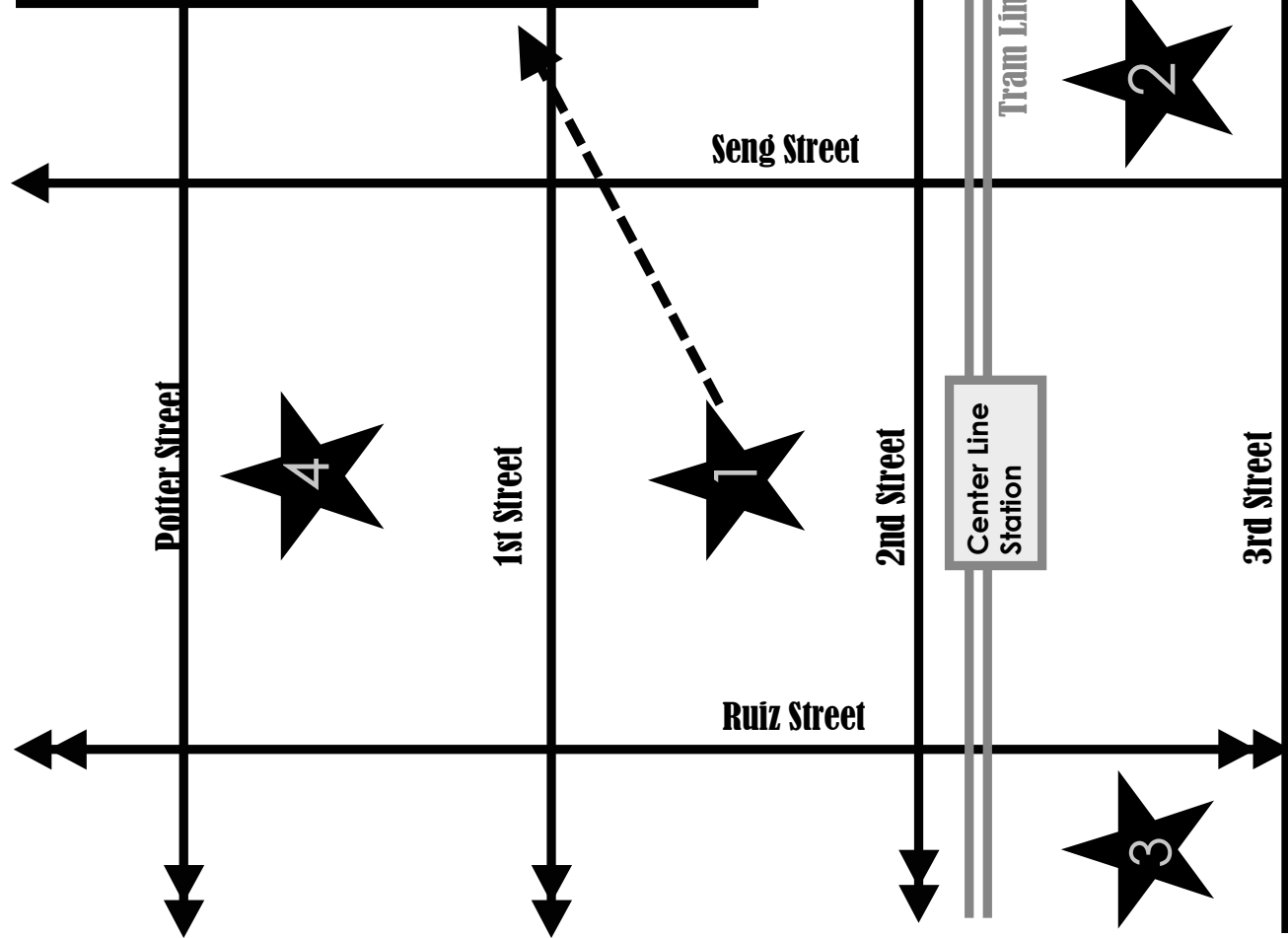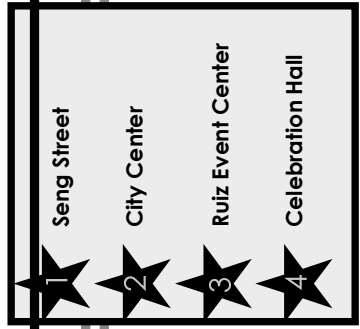## grades 7 & 8

**DO NOT OPEN TEST
UNTIL TOLD TO DO SO**

Asia

1. What is the population of Kobe, Japan?
   a. Over 3,000,000
   b. 1,000,000 to 3,000,000
   c. Under 1,000,000
   d. Under 100,000

2. What is the predominant religion in Thailand?
   a. Christianity
   b. Islam
   c. Buddhism
   d. Hinduism

3. Which of the following countries has the highest population density?
   a. Oman
   b. Kazakhstan
   c. India
   d. Turkey

4. The Dzungarian Basin is located in what country?
   a. China
   b. Kazakhstan
   c. Iran
   d. Pakistan

5. Where is the lowest land on earth located?
   a. Israel
   b. China
   c. Russia
   d. Turkey

6. How far is it from the capital of North Korea to the capital of South Korea?
   a. About 200 miles
   b. About 400 miles
   c. About 200 kilometers
   d. About 600 kilometers

7. What is the land cover type of Oman?
   a. Cropland
   b. Grassland
   c. Tundra
   d. Desert and semi-desert

8. Which country produces the most oil?
   a. Norway
   b. Nigeria
   c. Kuwait
   d. Russia

9. China has a disputed border with which of the following countries?
   a. Japan
   b. Laos
   c. Tajikistan
   d. India

10. What is the largest (by population) city in China?
    a. Harbin
    b. Shanghai
    c. Fuzhou
    d. Urumqi

11. What is the elevation of Mount Everest?
    a. 5,000 to 10,000 feet
    b. 10,000 to 20,000 feet
    c. 20,000 to 30,000 feet
    d. Over 30,000 feet

12. The capital of what country is located on the Tropic of Capricorn?
    a. Oman
    b. China
    c. Iraq
    d. None of the above

13. What body of water lies between Asia and Africa?
    a. Caspian Sea
    b. Sea of Okhotsk
    c. Red Sea
    d. All of the above

14. Nicobar Island is a territory of what nation?
    a. China
    b. Indonesia
    c. India
    d. Pakistan

15. What river marks the continental divide within two transnational countries?
    a. Syr Darya River
    b. Krishna River
    c. Ural River
    d. None of the above

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Center City Music, Food and Arts Festival

Fridays through Saturdays during June
Times and events vary by site

Seng Street Site

1st Street

Legend
- Public Road
- Restaurant
- Snack bar
- Vendors
- Music Stage
- Outdoor Theatre
- Art Exhibit
- Picnic Area
- Restroom

- One Way Street
- Two Way Street
- Tram Line

N / W / E / S

Entrance/Exit

P

Field 4 — T-shirt Time, Pop Art Exhibit
Field 3 — Burger Barn, Spice Shop, Taco Queen
Field 2 — Sculpture Exhibit, Dim Sum Now, Candy Corner
Field 1 — New Talent Stage, Snack Shack, Snow Cones
Field 5 — Ice Creamery, Band Merchandise, Main Music Stage
Field 6 — Poster Store, Anime City, Funnel Cakes, Cotton Candy
Field 7 — Tom's Diner, Movie Madness, Pete's Pretzels, Local Artist Gallery

Seng Street

Entrance/Exit

2nd Street

Gates Open at 3 p.m.
Live music from 4 p.m. to 10 p.m.
Outdoor Cinema begins at sunset

1 Seng Street
2 City Center
3 Ruiz Event Center
4 Celebration Hall

Seng Street

Tram Line

Potter Street

1st Street

2nd Street

3rd Street

Center Line Station

Ruiz Street

★ 1
★ 2
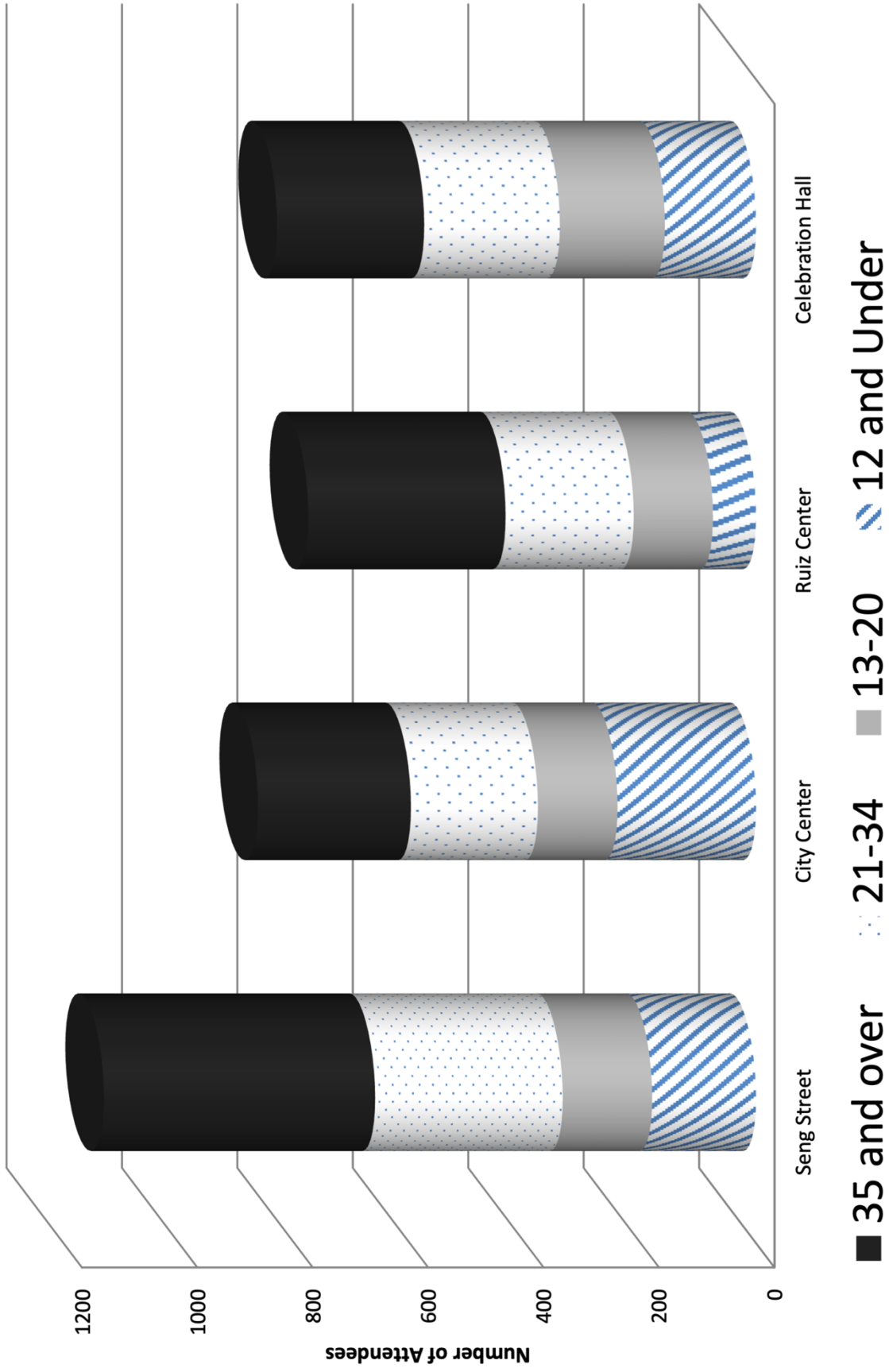★ 3
★ 4

Center City Music, Food and Arts Festival

16. How many public one ways streets are indicated on the map?
    a. 0
    b. 1
    c. 2
    d. 3

17. How many festival sites are indicated on the map?
    a. 1
    b. 3
    c. 4
    d. 6

18. What direction does Seng Street run?
    a. North and South
    b. North only
    c. South only
    d. Not indicated on the map

19. How many restaurants are at the Seng Street site?
    a. 0
    b. 1
    c. 2
    d. 4

20. Over what amount of time will the festival be held?
    a. Three days
    b. One month
    c. One week
    d. One year

21. Which site is the furthest west?
    a. Seng Street
    b. City Center
    c. Ruiz Event Center
    d. Celebration Hall

22. From what street do visitors access the south parking lot at the Seng Street Site?
    a. 1st Street
    b. 2nd Street
    c. Seng Street
    d. Potter Street

23. What time do gates open and close at the Ruiz Event Center?
    a. 3 p.m.
    b. 4 p.m.
    c. 5 p.m.
    d. Not indicated on the map

24. How many music stages are at the Seng Street Site?
    a. 1
    b. 2
    c. 3
    d. 4

25. Which of the following can be found at every field at the Seng Street Site?
    a. Snacks
    b. Restaurants
    c. Vendors
    d. None of the above

TRUE/FALSE

26. The Central Line Station is located within one block of three of the festival sites.

27. Field 3 has the most restaurants.

28. There is a picnic area next to every restaurant at the Seng Street Site.

29. Movie Madness is the vendor that is located furthest south on the map.

30. The parking lots at the Seng Street site are accessed through public roads.

Art Festival Attendee Demographics by Site

Number of Attendees

1200
1000
800
600
400
200
0

Seng Street

City Center

Ruiz Center

Celebration Hall

■ 35 and over ∷ 21-34 ■ 13-20 ◇ 12 and Under

Art Festival Attendee Demographics by Site

31. What does each column represent?
    a. The year
    b. The specific site
    c. The specific weekend
    d. A particular age group

32. Which site had the highest number of total attendees?
    a. Seng Street
    b. City Center
    c. Ruiz Center
    d. Celebration Hall

33. What amount of time does the chart cover?
    a. One week
    b. One weekend
    c. One year
    d. Not indicated

34. Which age group had the highest amount of attendance at City Center?
    a. 12 and under
    b. 13-20
    c. 21-34
    d. 35 and over

35. Which age group had the highest attendance for all sites combined?
    a. 12 and under
    b. 13-20
    c. 21-34
    d. 35 and over

36. At how many sites did the 12 and under age group have the lowest attendance?
    a. 0
    b. 1
    c. 2
    d. 3

37. How many age groups at City Center had attendance above 200?
    a. 0
    b. 1
    c. 2
    d. 3

38. What does the top portion of each column represent?
    a. 12 and under age group
    b. 13-20 age group
    c. 21-34 age group
    d. None of the above

39. How many age groups had the highest level of attendance at Seng Street?
    a. 0
    b. 1
    c. 2
    d. 3

40. Which specified group had the highest attendance?
    a. 12 and under at City Center
    b. 13-20 at City Center
    c. 21-34 at Ruiz Center
    d. 35 and over at Ruiz Center

TRUE/FALSE

41. All sites drew in at least 800 attendees.

42. City Center was the most popular site for the 12 and under age group.

43. No age group ever fell below 100 attendees at any site.

44. Seng Street had more than twice the number of attendees in the 35 and over group than Celebration Hall.

45. At Ruiz Center, the number of attendees increased with each older age group.

Europe

46. What amount of precipitation does Latvia receive?
    a. 10 to 20 inches per year
    b. 20 to 40 inches per year
    c. 40 to 80 inches per year
    d. Over 80 inches per year

47. What body of water lies between Ireland and the United Kingdom?
    a. English Channel
    b. Strait of Dover
    c. St. George's Channel
    d. North Sea

48. Which city in the United Kingdom has the largest population?
    a. Exeter
    b. Sheffield
    c. Plymouth
    d. Portsmouth

49. The Cantabrian Mountains are located in what country?
    a. Russia
    b. Norway
    c. Spain
    d. Italy

50. Which of the following countries is a candidate country for the European Union?
    a. France
    b. Turkey
    c. Finland
    d. Belarus

51. What country's capital is located at 42°N, 45°E?
    a. Russia
    b. Georgia
    c. Iran
    d. Armenia

52. Which of the following has the highest birth rate?
    a. Albania
    b. France
    c. Russia
    d. The World

53. The Northern European Plain is located in what country?
    a. Ireland
    b. Poland
    c. Greece
    d. Sweden

54. Which country gets the highest percentage of its energy from nuclear power?
    a. France
    b. Finland
    c. Germany
    d. Norway

55. What do the solid purple lines on the Land Cover Map indicate?
    a. Changes in land cover type
    b. International boundaries
    c. Continental boundaries
   d. Disputed or undefined boundaries

TRUE/FALSE

56. Southern Ireland is part of the United Kingdom

57. Reykjavik is the easternmost capital in Europe.

58. The second longest river in Europe flows through Slovakia.

59. The European Union gets most of its imports from the United States.

60. Bulgaria has a mostly marine climate

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ART FESTIVAL WEEKEND BADGE SALES

→ 2018 → 2019 → 2020
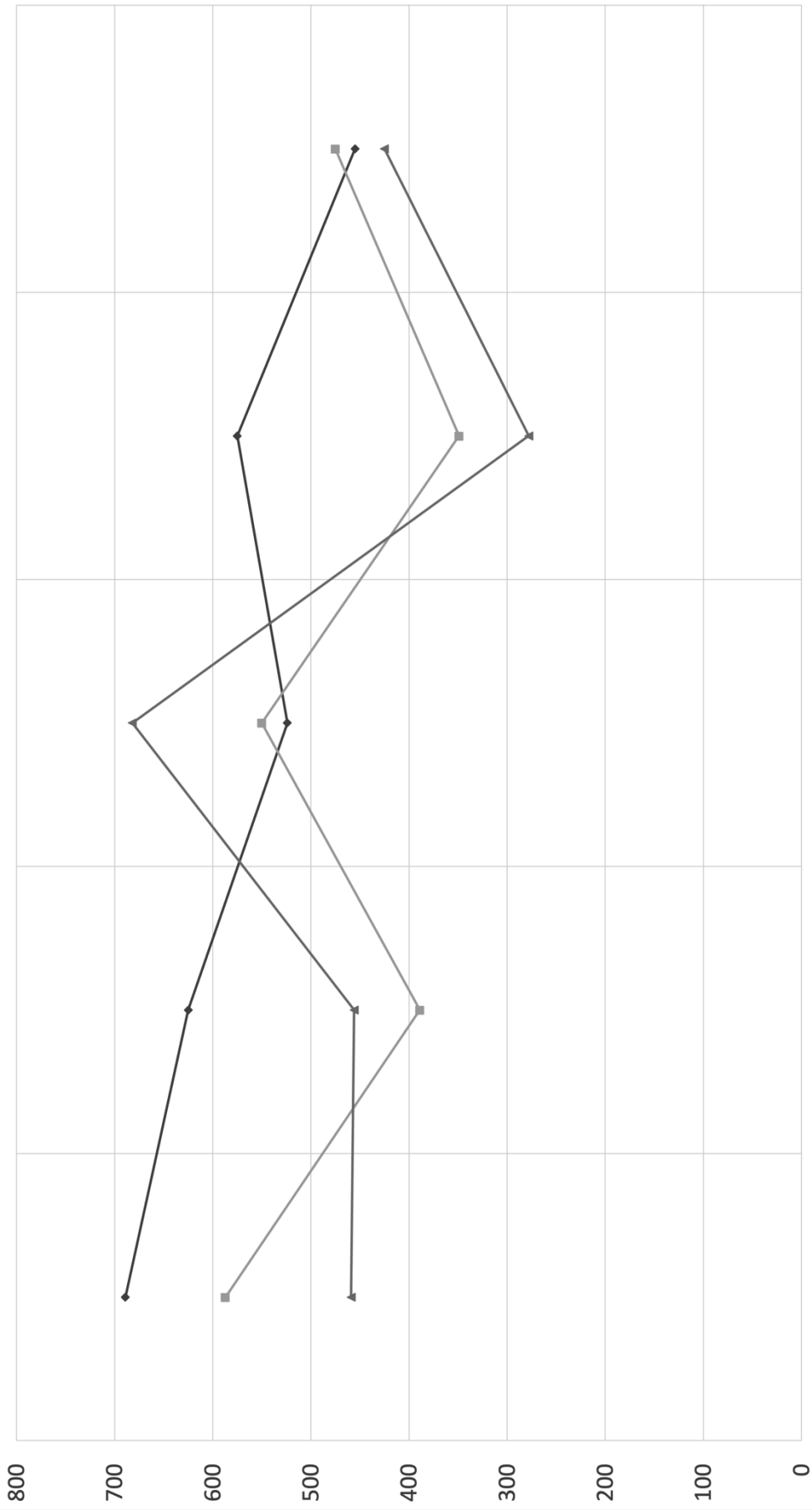
Arts Festival Weekend Badge Sales

61. What amount of time does this graph cover?
    a. One weekend
    b. Five weeks
    c. One year
    d. Three years

62. What does the darkest line (with a diamond marker) represent?
    a. Weekend 1
    b. Weekend 2
    c. 2018
    d. 2019

63. What week did badge sales peak in 2018?
    a. Week 1
    b. Week 2
    c. Week 3
    d. Week 4

64. In how many years did Week 1 see more badge sales than Week 5?
    a. 0
    b. 1
    c. 2
    d. 3

65. Which year had the most badge sales?
    a. 2018
    b. 2019
    c. 2021
    d. Not indicated

66. Which year generated the most revenue?
    a. 2018
    b. 2019
    c. 2021
    d. Not indicated

67. In 2019, badge sales rose above 500 how many times?
    a. 0
    b. 1
    c. 2
    d. 3

68. Over the time covered by the graph, what weekend had the least amount of badge sales?
    a. Week 1
    b. Week 2
    c. Week 3
    d. Week 4

69. When did badge sales fall to their lowest point?
    a. Week 1 2019
    b. Week 4 2020
    c. Week 3 2018
    d. Week 1 2019

70. What weekend had the least variation from year to year?
    a. Week 1
    b. Week 2
    c. Week 4
    d. Week 5

TRUE/FALSE

71. Total sales in a year never fell below 2,000.

72. Week 1 badge sales fell every year.

73. Compared to other years, 2020 had the highest badge sales in only one weekend.

74. For all years combined, Week 3 had the most badge sales.

75. The x axis represents the year's data.

University Interscholastic League
A+ Maps/Graphs/Charts Contest • 2022-2023
7/8 Spring
Answer Key

1. B	26. T	51. B
2. C	27. T	52. D
3. C	28. F	53. B
4. A	29. F	54. A
5. A	30. F	55. B
6. C	31. B	56. F
7. D	32. A	57. F
8. D	33. D	58. T
9. D	34. D	59. F
10. B	35. D	60. F
11. C	36. C	61. D
12. D	37. D	62. C
13. C	38. D	63. A
14. C	39. C	64. D
15. C	40. D	65. A
16. D	41. F	66. D
17. C	42. T	67. C
18. B	43. F	68. D
19. D	44. F	69. B
20. B	45. T	70. D
21. D	46. B	71. T
22. B	47. C	72. T
23. D	48. B	73. T
24. B	49. C	74. T
25. D	50. B	75. F