

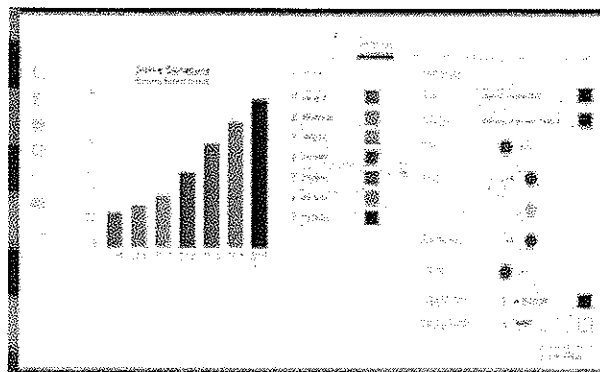
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BEFORE Contest Begins.



Maps, Graphs, & Charts

DISTRICT Contest

Grades 6-8



2021

FINAL SCORE: _____

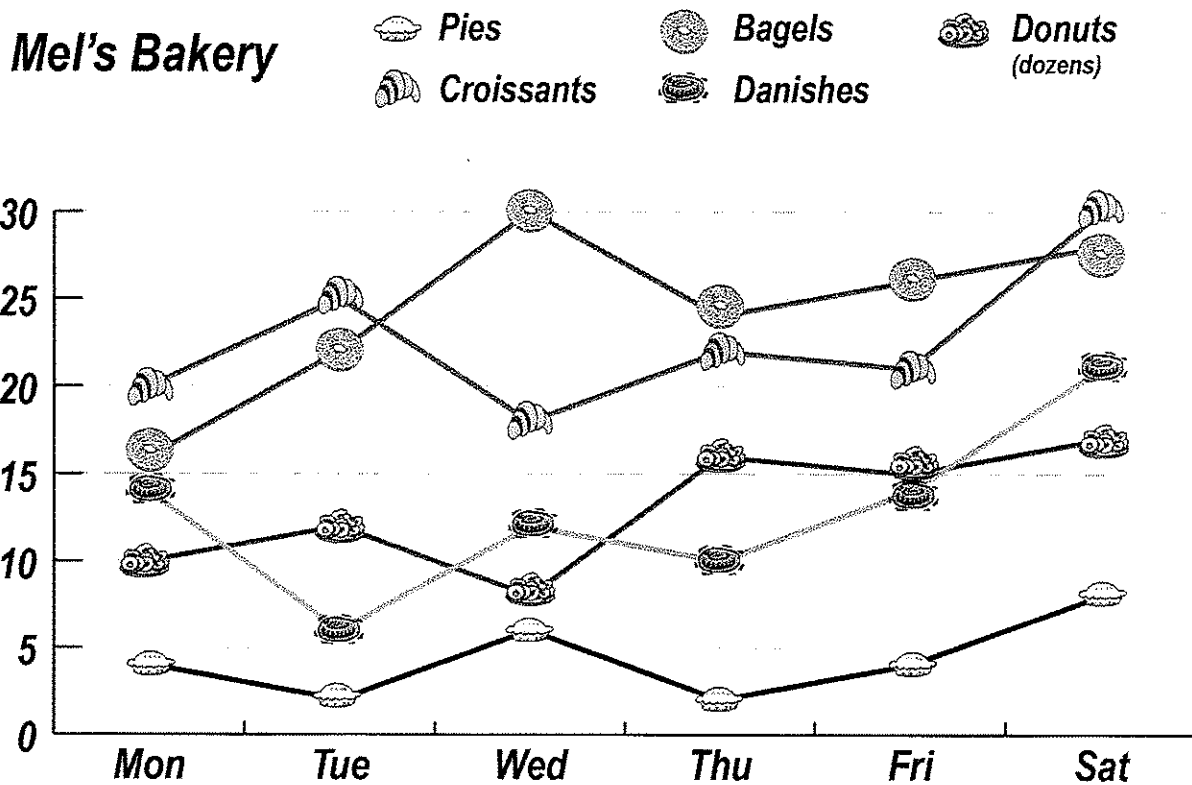
(Please do not open test until the signal is given to begin.)

PSIA – Maps, Graphs, and Charts – District Test -- 2021

Atlas Questions – United States – The following questions are about the United States.

1. How many states border Nebraska?
A. 4
B. 5
C. 6
D. 7
2. Which agricultural product is not one of Nebraska's top products?
A. beef
B. cotton
C. corn
D. soybeans
3. Which interstate highway runs through West Virginia, linking Charleston to Morgantown?
A. IH-77
B. IH-64
C. IH-79
D. IH-68
4. Which of the following Alaskan cities is farthest south?
A. Anchorage
B. Skagway
C. Sitka
D. Unalaska
5. Which of the following categories of trades contributes to the overall trade deficit of the United States?
A. electronics
B. transportation equipment
C. plastics and other chemicals
D. agricultural products (food, beverages, etc.)
6. How tall is the southernmost peak of the Three Sisters in Oregon?
A. 3062 meters
B. 3074 meters
C. 3157 meters
D. 3199 meters
7. Which of the following lakes is not correctly listed with the state it lies in?
A. Flathead Lake – Montana
B. Lake Winnebago – Minnesota
C. Pyramid Lake – Nevada
D. Guntersville Lake – Alabama
8. Which of the following airports is the least busiest?
A. Orlando
B. Chicago
C. Dallas / Fort Worth
D. Baltimore / Washington, D. C.
9. What type of land covers northwest Ohio?
A. grassland
B. cropland
C. tropical rainforest
D. desert

Line Graph -- Use the following line graph with information about sales at Mel's Bakery to answer these questions.



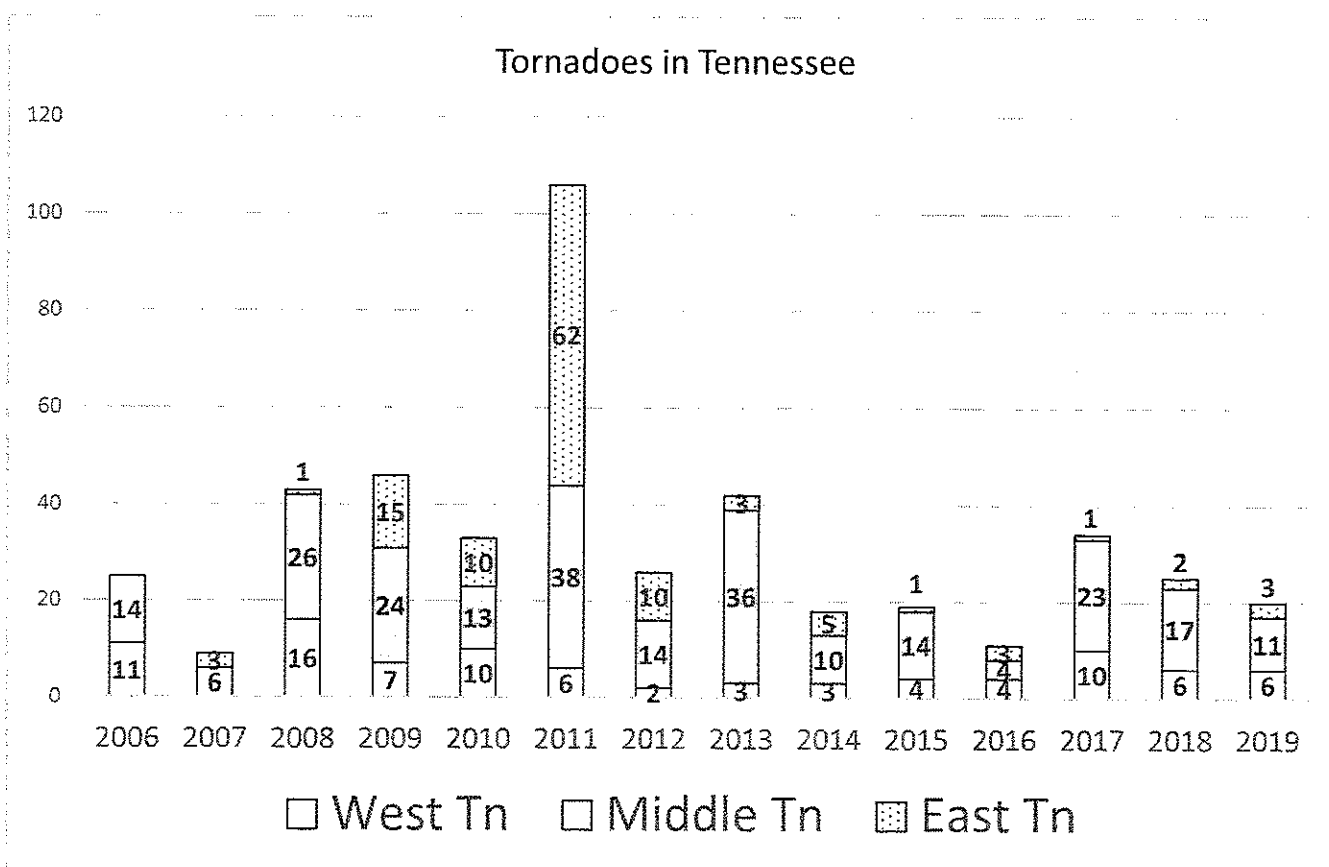
10. How many bagels were sold on Thursday?
 A. 24 B. 19 C. 21 D. 30
11. Which was the most popular item sold on Tuesday?
 A. Danishes B. bagels C. pies D. croissants
12. How many more croissants were sold on Monday than dozens of donuts?
 A. 2 B. 6 C. 5 D. 10
13. What is the least popular item in the bakery?
 A. Danishes B. donuts C. pies D. croissants
14. Pies cost \$10.00 each and donuts cost \$6.00 per dozen. How much did Mel earn from the sale of pies and donuts on Monday?
 A. \$80.00 B. \$100.00 C. \$120.00 D. \$140.00
15. Which of the following statements is true based on the chart?
 A. All items sell better during the weekend than any day during the week.
 B. The bakery sold more items on Saturday than any other day.
 C. Sales of all items increased from Tuesday to Wednesday.
 D. Sales of pies are low because some people only buy them during the holidays.

Table – Use the following table with information about the number of farms and the total number of acres harvested in Texas in 2012 and 2017. [Source: USDA NASS Publications, Ag Census, 2017]

	2012		2017	
	<i>Number of Farms</i>	<i>Total Acreage</i>	<i>Number of Farms</i>	<i>Total Acreage</i>
1 to 9 acres	14,844	75,576	18,398	89,262
10 to 19 acres	20,055	264,205	18,429	243,298
20 to 29 acres	14,405	325,927	12,650	286,554
30 to 49 acres	16,339	596,465	14,344	522,583
50 to 99 acres	15,920	1,051,611	13,367	877,432
100 to 199 acres	9,111	1,189,222	7,523	969,044
200 to 499 acres	7,190	2,165,008	5,217	1,565,055
500 to 999 acres	3,376	2,350,510	2,615	1,837,831
1000 acres +	3,758	8,439,808	4,472	11,204,271

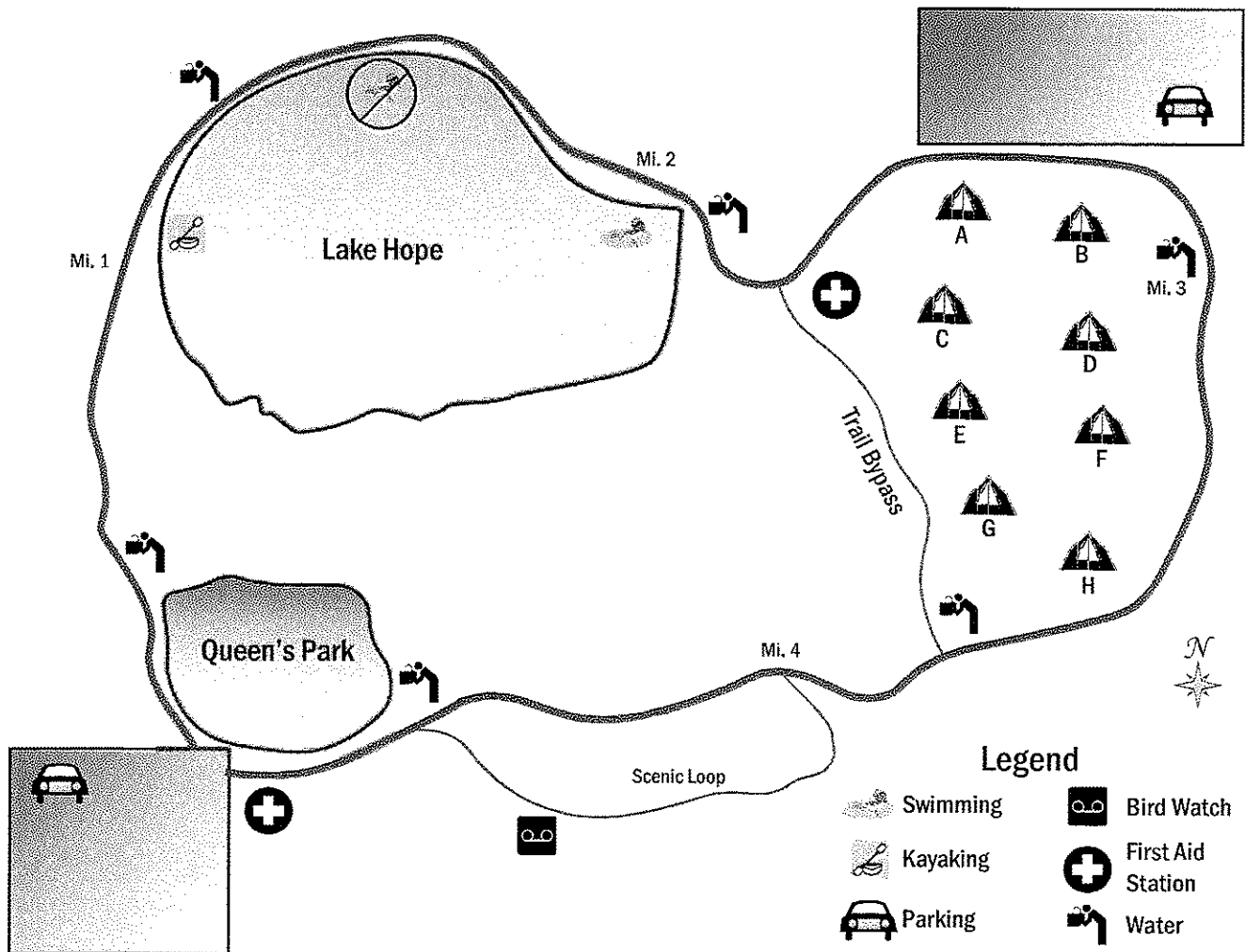
16. How many farms between 20 to 29 acres were in Texas in 2012?
 A. 20,055 B. 325,927 C. 12,650 D. 14,405
17. How many total acres were harvested in Texas in 2017 on farms with between 50 and 99 acres?
 A. 13,367 acres B. 522,583 acres
 C. 877,432 acres D. 1,051,611 acres
18. What was the approximate average farm size in 2012 of all farms with acreage between 10 and 19 acres?
 A. 18 acres B. 17 acres C. 15 acres D. 13 acres
19. How many 1 to 9 acres farms were gained between 2012 and 2017?
 A. 3,554 farms B. 5,786 farms C. 9,784 farms D. 13,686 farms
20. Which sized farms saw an increase in total acreage harvested from 2012 to 2017?
 A. 1- to 9-acre farms and 100- to 199-acre farms
 B. 500- to 999-acre farms and farms with 1000 acres or more
 C. 1- to 9-acre farms and farms with 1000 acres or more
 D. 20- to 29-acre farms and 50- to 99-acre farms

Stacked Bar Chart -- Use the following chart to answer questions about tornadoes in Tennessee from 2006 to 2019.



21. Which year experienced the least tornadoes in Tennessee?
 A. 2007 B. 2014 C. 2012 D. 2016
22. Which year had no tornadoes in the eastern part of Tennessee?
 A. 2015 B. 2007 C. 2006 D. 2016
23. How many total tornadoes hit western Tennessee between 2010 and 2014, inclusive?
 A. 22 B. 24 C. 26 D. 28
24. How many of these years did Tennessee experience more 40 tornadoes total?
 A. 5 B. 3 C. 4 D. 6
25. Which two years had the same number of total tornadoes in Tennessee?
 A. 2008 and 2009 B. 2012 and 2019
 C. 2006 and 2018 D. 2009 and 2013
26. Which of the following years would best be considered an outlier in the number of tornadoes to strike Tennessee during this time?
 A. 2007 B. 2009 C. 2011 D. 2017

Map – Use the following map of a hiking trail with mile markers to answer these questions.



27. Which section of the trail offers the best bird watching opportunities?
 - A. Scenic Loop
 - B. Queen's Park
 - C. Lake Hope
 - D. Trail Bypass
28. Approximately how long is the main route around the hiking trail?
 - A. 4 miles
 - B. 5 miles
 - C. 6 miles
 - D. 7 miles
29. Which part of the lake prohibits swimming?
 - A. north side
 - B. south side
 - C. west side
 - D. east side
30. Which part of the lake allows kayaking?
 - A. north side
 - B. south side
 - C. west side
 - D. east side

31. If you are near Campsite G, what is the shortest way to get to a water fountain?
- A. head north on the Trail Bypass
 - B. head south on the Trail Bypass
 - C. cross the campground area between Campsites D and F to the main route
 - D. head due west across the wilderness until you get to Queen's Park
32. Suppose you start hiking north on the trail from the southwest parking lot, walk to the second water fountain and then turn around to return to your car. Approximately how far was your hike?
- A. 1.5 miles
 - B. 2.5 miles
 - C. 3.5 miles
 - D. 4.5 miles
33. Which direction is the nearest first aid station from the swimming area?
- A. east
 - B. southwest
 - C. northwest
 - D. south

Atlas Questions – Asia – Use the atlas to answer these questions about Asia.

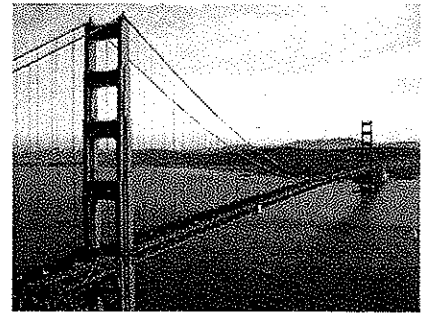
34. What is the capital of Kyrgyzstan?
- A. Bishkek
 - B. Tashkent
 - C. Almaty
 - D. Dushanbe
35. What is the predominant religion in Uzbekistan?
- A. Islam
 - B. Hindu
 - C. Buddhism
 - D. Traditional / Folk
36. What mountain range is found along the northern border of Iran?
- A. The Himalayas
 - B. Caucasus Mountains
 - C. Zagros Mountains
 - D. Elburz Mountains
37. Because of the road system in Saudi Arabia, the best way to go from Medina to Riyadh is through Buraydah. About how far is this trip?
- A. 400 miles
 - B. 500 miles
 - C. 600 miles
 - D. 700 miles
38. Which Japanese island is the city Sapporo located on?
- A. Shikoku
 - B. Honshu
 - C. Hokkaido
 - D. Kyushu

Atlas – The World – Use the atlas to answer these questions about the world.

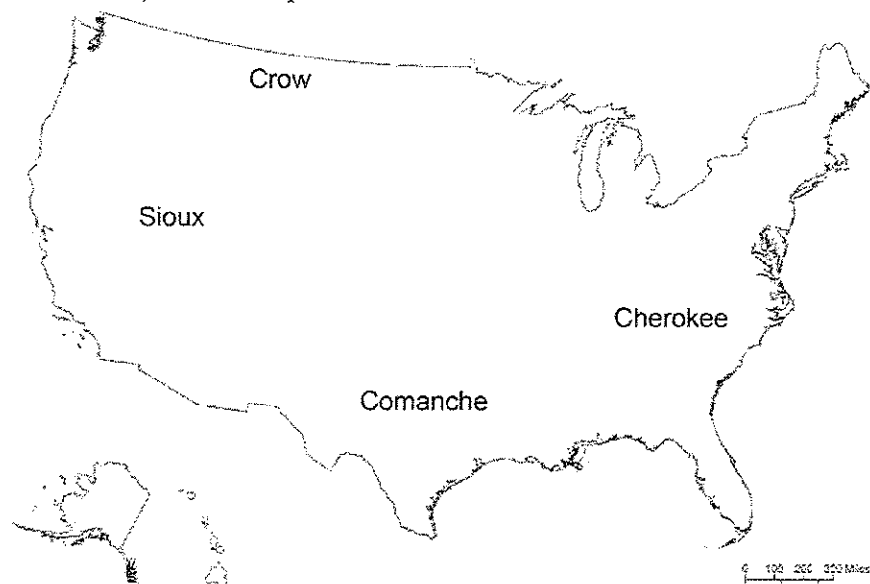
39. Which of the following resources can be found in Ireland?
- A. oil
 - B. gold
 - C. zinc
 - D. tin


Geography Questions

51. What strait connects San Francisco Bay to the Pacific Ocean and gives rise to the name of the famous bridge seen here?
- A. Golden Gate
 - B. Oakland Strait
 - C. Presidio Arroyo
 - D. San Jose Bay
52. What month does Texas observe Celebrate Freedom Week each year?
- A. June
 - B. January
 - C. November
 - D. September
53. What name is given to the area circling the Pacific Ocean because of the number of active volcanoes?
- A. Richter Zone
 - B. Region of Lava
 - C. Ring of Fire
 - D. Rim of Ash
54. Which religion believes in the deities Brahma and Vishnu?
- A. Hinduism
 - B. Buddhism
 - C. Sikhism
 - D. Islam
55. What region of France was invaded by Allied Powers (Great Britain and the United States primarily) on June 6, 1944?
- A. Aquitaine
 - B. Brittany
 - C. Vichy
 - D. Normandy
56. What was the original name of the city of Austin when it was selected to be the capital of the Republic of Texas in 1839?
- A. Paris
 - B. Waterloo
 - C. Boston
 - D. Colorado City
57. What natural disaster struck the Great Plains in the 1930s, causing the devastation of crops through drought, forcing many farmers to move west and seek work in California?
- A. The Dirt Bowl
 - B. The Dust Bowl
 - C. The Dry Bowl
 - D. The Dark Bowl
58. What term is used to describe the permanent removal of trees from an area?
- A. erosion
 - B. deforestation
 - C. infiltration
 - D. deposition



59. Which Native American tribe is not correctly labeled with their location (before European settlement in North America) on the map below?



- | | |
|-------------|-------------|
| A. Crow | B. Cherokee |
| C. Comanche | D. Sioux |
60. To observe Ramadan, Muslims practice the act of *fasting* (going without food) during what time period?
- | | |
|-----------------------------------|--|
| A. from sunrise to midday prayers | B. from after midday prayers to sunset |
| C. from sunset to sunrise | D. from sunrise to sunset |
61. Which country is the world's largest exporter of bananas?
- | | |
|-----------|-------------|
| A. Panama | B. Ecuador |
| C. Mexico | D. Honduras |
- 
62. Archaeologists believe the first inhabitants of North America came from Asia by...
- | |
|--|
| A. crossing a land bridge that no longer exists, connecting Siberia to Alaska. |
| B. sailing from China to the United States in dugout canoes made from tree trunks across the Pacific Ocean. |
| C. sailing from India to Australia, then over the Pacific Ocean to South America, and finally walking into North American lands. |
| D. crossing the solid ice bridges that connected northern Russia to Greenland and then to Canada. |
63. Which ancient city is known as the "Birthplace of Democracy?"
- | | |
|---------------|----------|
| A. Alexandria | B. Cairo |
| C. Athens | D. Rome |

64. Which of the following lines splits the Earth into two hemispheres?

A. Prime Meridian	B. The Equator
C. International Date Line	D. Arctic Circle
65. Which of the following events occurred earliest in Chinese history?

A. Tension between Chinese and foreigners (British, French, etc.) erupts into the Boxer Rebellion.
B. Richard Nixon becomes first sitting American president to visit China.
C. Venetian merchant Marco Polo visits China.
D. Mao Zedong and the Communists gain power in China.
66. What project was completed in 1825 and provided a waterway connecting the Great Lakes to the Hudson River in Albany, New York?

A. Erie Canal	B. Suez Canal
C. Panama Canal	D. Welland Canal
67. The first continent to reach a population of one billion people was Asia. What was the second continent to reach this milestone?

A. South America	B. North America
C. Africa	D. Europe
68. What effect does westerly winds have on the climate of northwestern Europe?

A. The winds bring in moisture, most of which falls as rain.
B. In the winter, the winds transport heat from the tropical reaches in North America and make temperatures warmer than what is expected, given the high latitudes.
C. In the summer, the winds provide a cooling effect to temperatures in the region.
D. All of the above.
69. Chinese geomancy is the practice of arranging items to create harmony with the surrounding environment. In Asia, many building, homes, and even entire cities are designed with this principle. What other name is given to this practice?

A. feng shui	B. tai chi
C. shar pei	D. manhua
70. The first battles of the American Revolution occurred in Lexington and Concord in what present-day state?

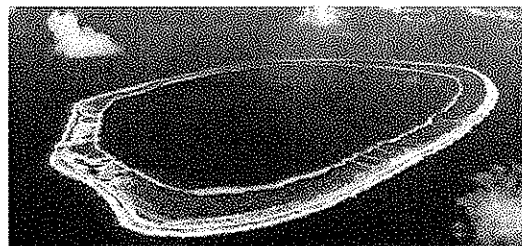
A. New Jersey	B. Pennsylvania
C. New York	D. Massachusetts
71. Which group of settlers explored the Hudson River region in the early to mid-1600s from their established colony that was later renamed New York City?

A. English	B. Dutch
C. French	D. Spanish
72. What state is home to the Ford Motor Company and employs the most automobile manufacturing workers in the United States?

A. Indiana	B. Illinois
C. Michigan	D. Ohio

73. After a fringing reef forms around a volcanic island, in some cases, the island will sink underwater over time, due to plate techtonics. This leaves a coral reef behind to build up. What name is given to this new land structure?

A. isthmus
B. peninsula
C. lagoon
D. atoll



74. Which Latin American climate consists of barren rocks and permanently frozen fields of snow and ice?

A. tierra fría	B. tierra helada
C. tierra templada	D. tierra caliente

75. Which of the following is considered a nonrenewable energy resource?

A. biomass	B. hydropower
C. solar	D. coal

CONTESTANT ID#: _____

GRADE LEVEL: _____

PSIA Maps, Graphs & Charts Contest – Grades 6, 7 & 8**ANSWER SHEET – DISTRICT 2021**

INSTRUCTIONS: Place the CAPITAL letter of each answer choice (A, B, C, or D) in the blank corresponding to the test item number. **SCORING:** +5 for each correct answer; -2 for each incorrect answer; no deductions for skipped or unanswered items. Any mark on a space counts as an attempt.

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

Score: Initials

Grader 1: _____

Grader 2: _____

Grader 3: _____

Contest Director ONLY: AFTER being scored by at least 2 graders, place this answer sheet with the contestant's identified test paper, on which the Contestant ID label has been affixed.

PSIA Maps, Graphs & Charts Contest

Grades 6-8 – DISTRICT – 2021

ANSWER KEY

Page number references in parentheses are found only in the **2018** or **NEWER** editions of the *Nystrom Desk Atlas*. **Scoring:** +5 for each correct answer; -2 for each incorrect answer. No points are deducted for skipped or unanswered items. Deduct 2 points for erasures/mark-outs not resulting in a correct answer.

1. C (74-75)	20. C	39. C (154)	58. B
2. B (83)	21. A	40. C (47)	59. D
3. C (91)	22. C	41. B (202)	60. D
4. D (104)	23. B	42. B (26) <small>(seasons flipped)</small>	61. B
5. A (85)	24. C	43. A (114)	62. A
6. C (100)	25. C	44. D (159)	63. C
7. B (99)	26. C	45. B (187)	64. B
8. A (86)	27. A	46. A (208)	65. C
9. B (77)	28. B	47. D (cover)	66. A
10. A	29. A	48. B (175)	67. C
11. D	30. C	49. B (209)	68. D
12. D	31. B	50. D (54)	69. A
13. C	32. B	51. A	70. D
14. B	33. A	52. D	71. B
15. B	34. A (166)	53. C	72. C
16. D	35. A (177)	54. A	73. D
17. C	36. D (168)	55. D	74. B
18. D	37. B (178)	56. B	75. D
19. A	38. C (183)	57. B	