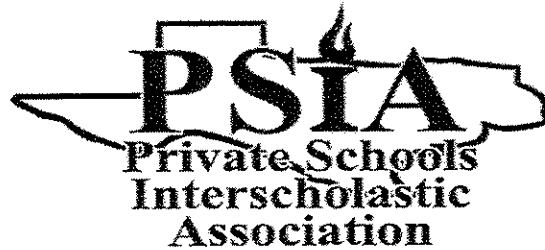


Place Contestant ID Label HERE  
BEFORE Contest Begins.



# Maps, Graphs, & Charts

## DISTRICT Contest

### Grades 4/5



**2021**

FINAL SCORE: \_\_\_\_\_

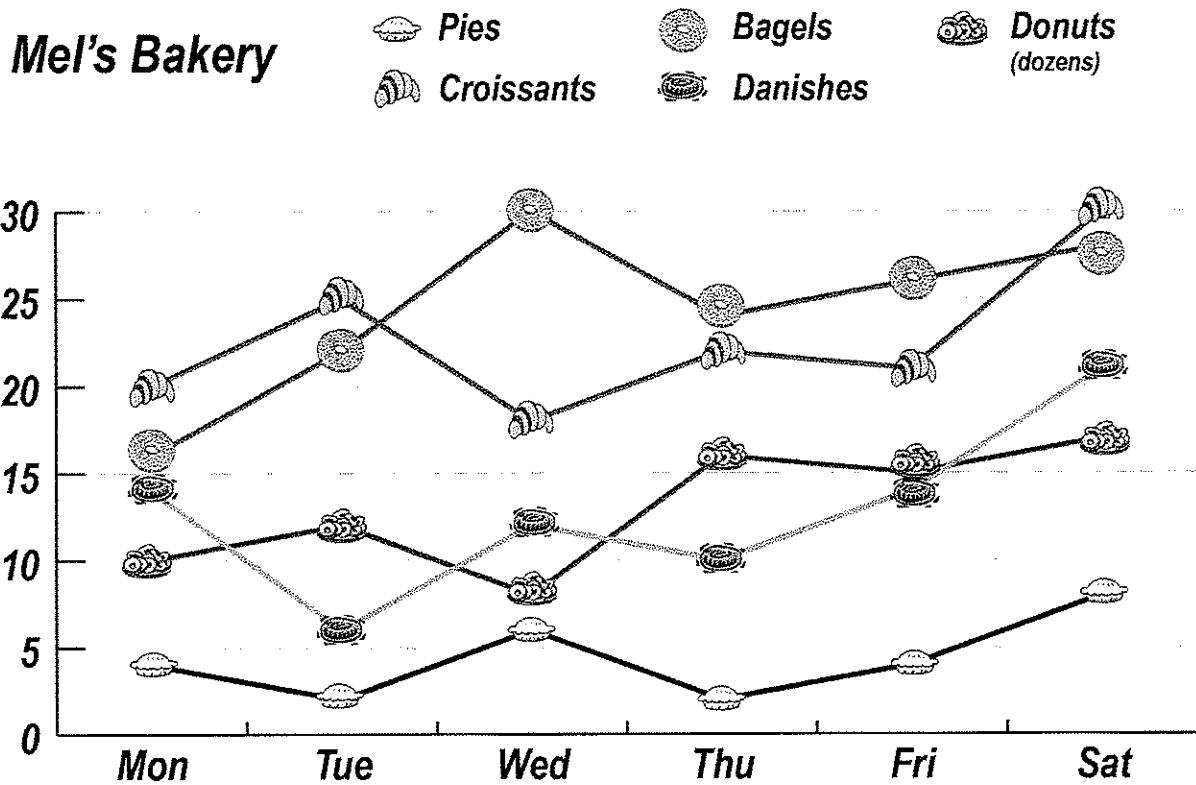
(Please do not open test until the signal is given to begin.)

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

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

- How many states border Nebraska?  
A. 4  
B. 5  
C. 6  
D. 7
- Which agricultural product is not one of Nebraska's top products?  
A. beef  
B. cotton  
C. corn  
D. soybeans
- Which interstate highway runs through West Virginia, linking Charleston to Morgantown?  
A. IH-77  
B. IH-64  
C. IH-79  
D. IH-68
- Which of the following Alaskan cities is farthest south?  
A. Anchorage  
B. Skagway  
C. Sitka  
D. Unalaska
- 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.)
- How tall is the southernmost peak of the Three Sisters in Oregon?  
A. 3062 meters  
B. 3074 meters  
C. 3157 meters  
D. 3199 meters
- 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. Gunterville Lake – Alabama
- Which of the following airports is the least busiest?  
A. Orlando  
B. Chicago  
C. Dallas / Fort Worth  
D. Baltimore / Washington, D. C.
- 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.

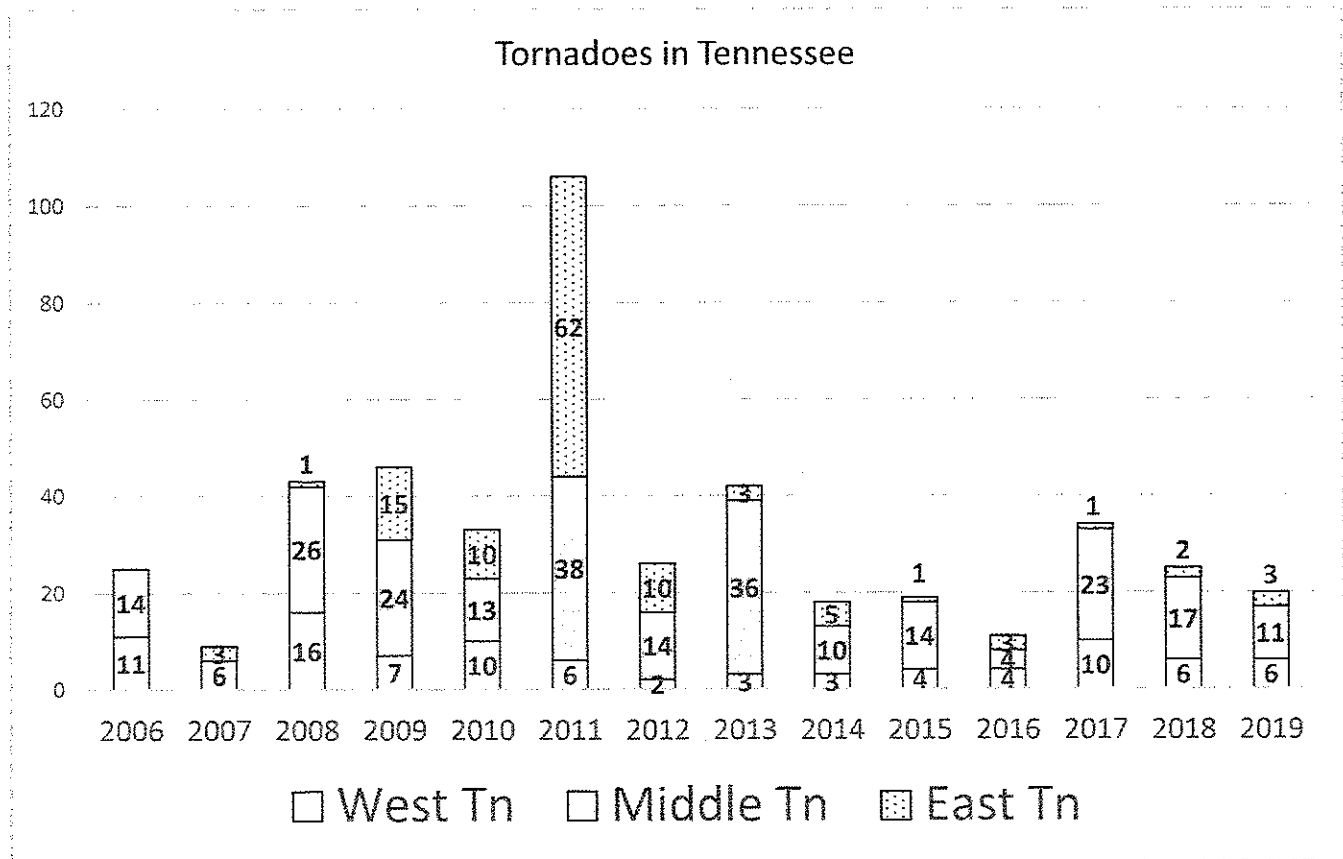
D. Sales of pies are low because some people only buy them during the holidays.

**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

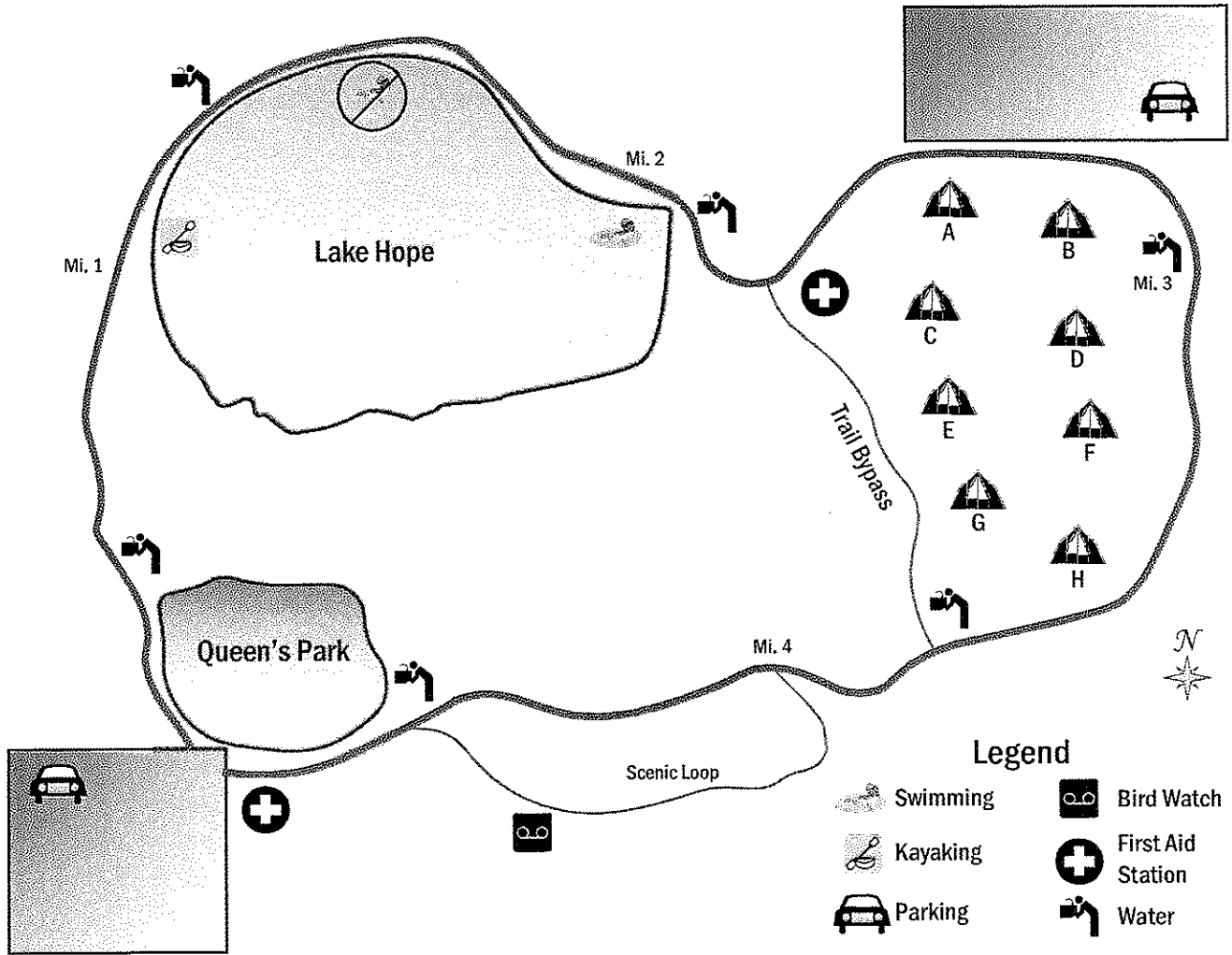
16. How many farms between 20 to 29 acres were in Texas in 2012?  
 A. 20,055      B. 325,927      C. 12,650      D. 14,405
17. How many total acres were harvested in Texas in 2017 on farms with between 50 and 99 acres?  
 A. 13,367 acres      B. 522,583 acres  
 C. 877,432 acres      D. 1,051,611 acres
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

40. From which language family do the dialects spoken by native people in northern Canada and Greenland originate?
- A. Indo-European                      B. Khoisan  
C. Inuktitut                              D. American Indian
41. What is the natural population growth rate in the African country whose capital is Antananarivo?
- A. 2.12%                              B. 2.51%  
C. 2.88%                              D. 3.41%
42. Which season is the driest in Goiania, Brazil?
- A. spring                              B. winter  
C. fall                                      D. summer
43. Which Mexican state is surrounded by Zacatecas and Jalisco?
- A. Aguascalientes                      B. Colima  
C. Nayarit                              D. Guanajuato
44. Which major river runs through northern Germany?
- A. Tiber River                              B. Main River  
C. Danube River                              D. Elbe River
45. What is the approximate population of Australia and Oceania?
- A. 20 million                              B. 40 million  
C. 60 million                              D. 80 million
46. What name is given to the line that separates calendar days, near 180 degrees longitude?
- A. International Date Line                      B. Prime Meridian  
C. Arctic Circle                              D. Equator
47. What is the fifth tallest mountain in the world?
- A. Broad Peak                              B. Nanga Parbat  
C. Lhotse                                      D. Makalu
48. What country is the leading receiver of exports from Qatar?
- A. South Korea                              B. Japan  
C. Saudi Arabia                              D. European Union
49. If it is 6 p.m. on Thursday in Moscow, what time and day is it in Chicago?
- A. midnight on Friday                      B. 9 a.m. on Thursday  
C. noon on Thursday                              D. 3 a.m. on Friday
50. What country would you be in if you were located at 51°N latitude, 114°W longitude?
- A. Finland                                      B. Russia  
C. United States                              D. Canada



# PSIA Maps, Graphs & Charts – Grades 4/5 Contest

## Contestant Answer Sheet – DISTRICT 2021

CONTESTANT ID#: \_\_\_\_\_

GRADE LEVEL: \_\_\_\_\_

**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.

ANSWER	ANSWER	ANSWER
1. _____	18. _____	35. _____
2. _____	19. _____	36. _____
3. _____	20. _____	37. _____
4. _____	21. _____	38. _____
5. _____	22. _____	39. _____
6. _____	23. _____	40. _____
7. _____	24. _____	41. _____
8. _____	25. _____	42. _____
9. _____	26. _____	43. _____
10. _____	27. _____	44. _____
11. _____	28. _____	45. _____
12. _____	29. _____	46. _____
13. _____	30. _____	47. _____
14. _____	31. _____	48. _____
15. _____	32. _____	49. _____
16. _____	33. _____	50. _____
17. _____	34. _____	

	<u>SCORE</u>	<u>Initials</u>
Grader 1: _____		
Grader 1: _____		
Grader 1: _____		

**Official Score:** \_\_\_\_\_

*Contest Director ONLY: AFTER scoring, place this answer sheet with the Contestant's ID-labeled test.*

**PSIA Maps, Graphs & Charts Contest**  
**Grades 4-5 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) | 18. D       | 35. A (177)                                 |
| 2. B (83)    | 19. A       | 36. D (168)                                 |
| 3. C (91)    | 20. C       | 37. B (178)                                 |
| 4. D (104)   | 21. A       | 38. C (183)                                 |
| 5. A (85)    | 22. C       | 39. C (154)                                 |
| 6. C (100)   | 23. B       | 40. C (47)                                  |
| 7. B (99)    | 24. C       | 41. B (202)                                 |
| 8. A (86)    | 25. C       | 42. B (26) <small>(seasons flipped)</small> |
| 9. B (77)    | 26. C       | 43. A (114)                                 |
| 10. A        | 27. A       | 44. D (159)                                 |
| 11. D        | 28. B       | 45. B (187)                                 |
| 12. D        | 29. A       | 46. A (208)                                 |
| 13. C        | 30. C       | 47. D (cover)                               |
| 14. B        | 31. B       | 48. B (175)                                 |
| 15. B        | 32. B       | 49. B (209)                                 |
| 16. D        | 33. A       | 50. D (54)                                  |
| 17. C        | 34. A (166) |   |