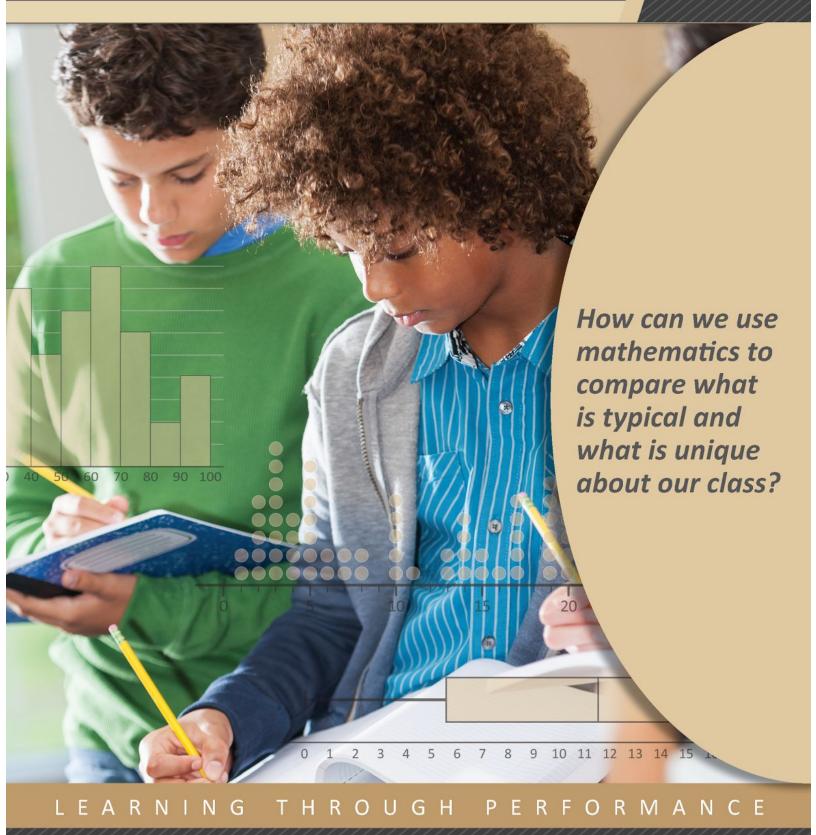
Handouts and Assessments



Class Profile

GRADE 6



Get Started on the Culminating Project

U.S. Census at School Questionnaire

The first 13 questions marked with an asterisk (*) are international questions common to the countries participating in the Census at School program.

1.	Are you male or female?*
	☐ Male ☐ Female
2.	How old are you?*
	Age (years)
3.	Are you right-handed, left-handed or ambidextrous? (An ambidextrous person is able to use his or her right and left hands equally well.)*
	□ Right-handed□ Left-handed□ Ambidextrous
4.	How tall are you without your shoes on? Answer to the nearest centimeter.*
	Height (cm)
5.	What is the length of your right foot (without your shoe on)? Answer to the nearest centimeter.*
	Right foot length (cm)
6.	What is your arm span? (Open arms wide and measure distance across your back from tip of right hand middle finger to tip of left hand middle finger.) Answer to the nearest centimeter.*
	Arm span (cm)
7.	In how many languages can you hold an everyday conversation?*
	Number of languages spoken
8.	What is the main method of transportation you typically use to get to school? Choose one.*
	□ Walk □ Bus □ Boat □ Car □ Bicycle □ Other □ Rail (Train/Tram/Subway) □ Skateboard/Scooter/Rollerblade

9.	How long does it usually take you to	o travel to school? Answer to the r	nearest minute.*
	Travel time (minutes)		
10.	Use your dominant hand to test yo Section page of the Census at School change. As soon as it changes, hit " seconds as a decimal below.*	ol web site. Click "Start" and watch	n for the background color to
	Reaction time (seconds)		
11.	Test your memory. How quickly car found on the Student Section page squares to uncover their pictures. Cuntil you have uncovered all the pa	of the Census at School web site. Only matching pairs of pictures will irs. Record your time in seconds a	Click "Start" and then click on I remain uncovered. Keep clicking
12.	In what sport or activity do you mo	st enjoy participating in?*	
	 □ Athletics (Track & Field) □ Baseball/Softball □ Basketball □ Bowling □ Cycling □ Dancing □ Football (American) □ Golf 	 □ Gymnastics □ Hockey (Field) □ Hockey (Ice) □ Lacrosse □ Martial Arts □ Rowing □ Running/Jogging □ Skateboarding/Rollerbladin 	□ Soccer □ Swimming □ Table Tennis □ Tennis □ Walking/Hiking □ Other activities/sports □ None
13.	How important are the following is (very important). Record your ratin Use the Rating Slider found on the Reducing pollution Recycling	g of the importance of each issue	in the boxes below.*
	Conserving water	electricity, gas, oil for heating, ligh	ting, car travel)
14.	What is the length of your left foot	(without your shoe on)? Answer t	o the nearest centimeter.
	Left foot length (cm)		

15. Which	is longer, your right or left	foot?	
	Right foot		
	Left foot		
	Same length		
	= -	finger (finger next to your the millimeters in one centimete	umb) on your left hand? Answer to the r).
Index	finger length (mm)		
		nger (located between your r llimeter (there are 10 millime	middle finger and little finger) on your left eters in one centimeter).
Ring fi	nger length (mm)	_	
18. Which	is longer on your left hand	; your index finger or ring fin	ger?
	Index finger		
	Ring finger		
	Same length		
19. In whi	ch month were you born?		
	January	■ May	☐ September
	February	☐ June	☐ October
	March	☐ July	☐ November
	April	☐ August	☐ December
20. Which	is your favorite season?		
	Spring	☐ Fall	
	Summer	☐ Winter	
21. Do you	u have any allergies?		
	Yes		
	No		
22. Are yo	u vegetarian?		
	Yes		
	No		

23. Wha	it is your favorite type of food?						
	□ Poultry (e.g., chicken)□ Meat (e.g., hamburgers, stea□ Seafood□ Pizza/pasta	k)	□ Rice/noodle dishes□ Breads/sandwiches□ Salads□ Soups			0	Vegetables Fruit Desserts Other No favorite
24. Wha	at type of beverage do you drink	mos	st often during the day?				
	□ Water□ Milk□ Juice□ Sports drink		 □ Soft drink (caffeinate □ Soft drink (non-caffei □ Energy drink □ Powdered drink (e.g., Kool-Aid, Tang) 	inat	ed)		Tea Coffee Other
25. Wha	at is your favorite subject in scho	ol? (Choose one.				
(☐ Art☐ English☐ Languages☐ Social studies		History Geography Music Science		•	nati	and technology cs and statistics ucation
26. How	many hours of sleep per night d	o yo	ou usually get when you have	scl	nool the	nex	t day?
Scho	ool night sleep time (hours)						
27. How	many hours of sleep per night d	o yo	ou usually get when you don'	t ha	ave schoo	ol th	ne next day?
Non	-school night sleep time (hours)						
28. How	many people usually live in you	r ho	me, including yourself?				
Hom	ne occupants						
29. Can	the internet be accessed at your	hor	ne?				
!	 No internet connection Yes − dial-up connection Yes − broadband connection Yes − other (for example, intermedian) 	rne	t access through mobile phor	ne)			
30. Whi	ch of these methods do you mos	t of	ten use to communicate with	yo	ur friend	s? S	elect one.
	☐ In person☐ Telephone (landline)☐ Cell phone☐ Text messaging☐ E-mail		Myspace, Facebook, other social networking sites, or blog		Internet messagi Other		at or instant

31. Abo	out	how many text mess	age	s did y	ou :	send yeste	day				
32. Abo	out	how many text mess	age	s did y	ou	receive yes	terd	lay?	_		
33. Est	ima	te how many hours a	a we	eek you	ı us	sually spend	d do	ing the followi	ng ac	tivities:	
Tall Doi Pla Pla Usi Ser Usi Wa	king ling ling ling ling ling ling ling sanding the ling to the ling ling ling ling ling ling ling ling	g out with friends g on the phone homework things with family g sports/outdoor gan g computer/video gan gocial networking we g/receiving text, SM the computer/interning TV ork work/Jobs at home	nes mes b si S, o et	or active tes	ute			ages	-		
34. Ho	w m	nuch pressure do you	ı fee	el beca	use	of the scho	oolw	ork you have t	o do	?	
		None Very little Some A lot									
35. Wh	nat i	s the highest level of	ed	ucatior	ı yo	u plan to a	ttair	ո?			
		Less than high scho High school Some college	ol			Undergrad Graduate Other		_			
36. Wh	nat i	s your favorite type	of m	nusic? S	Sele	ect one.					
		Classical Country Heavy metal Jazz		Pop Punk i Rap/H Regga	lip ł			Rhythm and b Rock and roll Techno/Electr Gospel		(R&B)	Other
37. Wh	nich	of the following sup	erpo	owers v	wou	uld you mo:	st lik	ke to have? Sel	ect o	ne.	
		Invisibility Super strength				Telepathy Fly	(rea	d minds)		Freeze time	

38.	8. Which would you prefer to be? Select one.					
	0	Rich Famous Happy Healthy				
		•	-	to. This could be someone yog list, choose the category tha		
40.		Relative Actor Sports person Coach or club leader Other had \$1000 to donate to a char	000	Business person Religious figure Politician Teacher of your choice, what type of o		Musician or singer Friend Community leader or elder
		Health (e.g., cancer, AIDS, dia Religious (e.g., church or acti Environment (e.g., saving for Wildlife, animals (e.g., endar Education/Youth developme	abe iviti est nger nt (es related to worship)	elty s tra	to animals) aining, after-school programs)



Get Started on the Culminating Project

CHECK FOR UNDERSTANDING • Statistical Questions

Name	Period Date
1.	Give an example of a question that is not a statistical question.
2.	Change your question so that it becomes a statistical question.
3.	Give an example of a statistical question that yields numerical data.
4.	Give an example of a statistical question that yields categorical data.
5.	In your own words, describe your thinking about what makes a question a statistical question.



CHECK FOR UNDERSTANDING • How the Center Changes

eI	Period	
How will her quiz average change if she gets a score of 100 or Justify your answer.	on the new quiz?	
How will her quiz median change if she gets a score of 100 o Show and explain how you know.	n the new quiz?	
What do you notice about the way Cece's quiz mean (average the score of 100?	ge) and quiz median ch	nange when you add
d	ent in Ms. Garcia's class, Cece, got the following quiz scores: a nother quiz. How will her quiz average change if she gets a score of 100 or Justify your answer. How will her quiz median change if she gets a score of 100 or Show and explain how you know.	How will her quiz average change if she gets a score of 100 on the new quiz? Justify your answer. How will her quiz median change if she gets a score of 100 on the new quiz? Show and explain how you know. What do you notice about the way Cece's quiz mean (average) and quiz median change if she gets a score of 100 on the new quiz?



CHECK FOR UNDERSTANDING • Interpret Box Plots

Name ______ Period _____ Date _____

This box plot shows the distribution of heights in Ms. Garcia's class. Complete the statements below by interpreting the box plot.

Heights of Sixth Graders



- 1. About half of the students are shorter than inches.
- 2. Most of the students are than 56 inches. (choose taller or shorter)
- 3. About 25% of the students are taller than _____ inches.
- 4. In this class, some students are between 49 and 53 inches tall. There are also some students who are between 56 and 66 inches tall. Malcolm says that there are more students in the group that are between 56 and 66 inches tall, because that section is longer on the box plot. Do you agree or disagree? Explain.

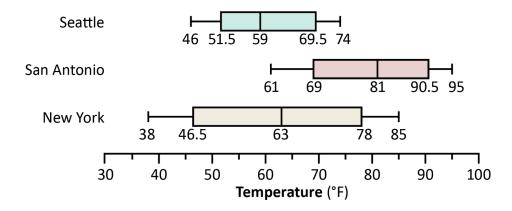


CHECK FOR UNDERSTANDING • Compare Data Sets

Name Period Date

The box plots below show the distribution of three cities' average monthly temperatures.

Average Monthly Temperatures of Three Cities



Kari and Jack disagree about which city is coldest. Kari says that Seattle is colder, but Jack insists that New York is coldest.

1. Provide evidence that supports Kari's claim.

2. Provide evidence that supports Jack's claim.

3. Who do you agree with? Why?

GROUP PREVIEW • Transportation Statistics

Name	Period	Date
Ms. Garcia's students want to write letters to th	,	
line that reaches their school. They decided to u	se data they collected as evidence	to help support their claim.
Nia wants to create a statistical question about I	now students get to school so that	she can collect data to
use in her letter to the city council. Give an exan	nple of a statistical question that yi	elds numerical data that
she can use.		

INDIVIDUAL PERFORMANCE TASK • Transportation Statistics

Name	Period	Date
Ms. Garcia's students want to write letters to their city line that reaches their school. They decide to use data		
 Nia collected the following data by surveying he to school. Here are the responses she received 		w far they travel (in miles) to get
{ 4.2, 1.9, 0.8, 4.6, 11, 2, 2.8, 3, 4.2, 0.6,	3.7 }	
a. Create a five-number summary for Nia's Minimum: 1st Quartile: Median:		aximum:
b. Create a box plot for Nia's data.		
c. What is the mean of Nia's data? Why is	it different from the me	edian?

2.	Henry collects data by surveying his classmates to see how far they travel (in miles) to get to school.
	Here are Henry's responses:

$$\{9.1, 0.8, 0.6, 5.9, 1, 12, 2.3, 7.7, 3, 0.3, 8.3\}$$

Henry says his school is just like Nia's because he found the median and concluded that everyone he surveyed travels about 3 miles to get to school.

Do you agree with his conclusion? Why or why not?

- 3. The city council writes Ms. Garcia's class back and says they need to see more data. In order to add a bus, they require that the average distance students travel to get to school be 4 miles or more.
 - If a new student joins the class, what is the closest she or he could live to school that would raise the mean above 4 miles? Show your work.