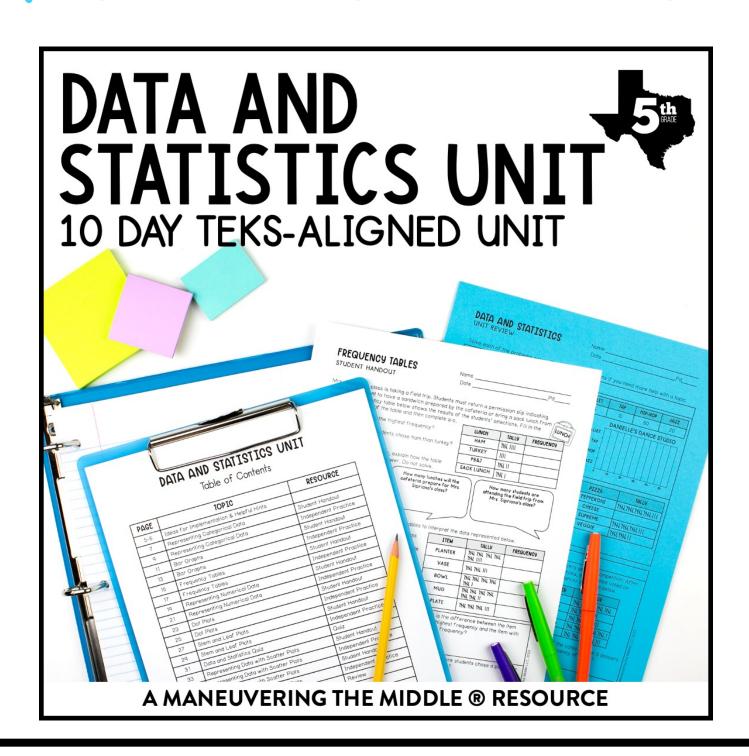
learning focus:

- represent and solve problems with categorical data using frequency tables and bar graphs
- represent and solve problems with numerical data using dot plots and stem and leaf plots
- represent and solve problems with scatter plots



DATA AND STATISTICS



a 10 day TEKS-aligned unit TEKS: 5.9A, 5.9B, 5.9C

ready-to-go, scaffolded student materials

DATA AND STATISTICS UNIT

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TEKS

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DATA AND STATISTICS



10 day TEKS-aligned unit TEKS: 5.9A, 5.9B, 5.9C

student friendly + real-world application

BAR GRAPHS STUDENT HANDOUT Date The 5th grade students at Redwood Elementary **FAVORITE P.E. ACTIVITIES** recorded their favorite P.E. activities in the bar graph shown at the right. Observe the details of the bar graph and then answer a-d. Describe what the horizontal axis represents: DODGEBALL RELAY RACES . Describe what the vertical axis represents: P.F. ACTIVITIES a. List the number of students who selected b. Which activity had the highest frequency? each activity. What do you notice about the bar of this category on the graph? relay races: _ c. How many total students were surveyed? d. Jenna wants to know what fracti Explain how you determined your answer. students chose dodgeball as their f INDEPENDENT PRACTICE activity. Explain how she could dete Apply your understanding of bar graphs to interpret the data represented below 1. A culinary school in California is hosting a a. What is the difference between high school cooking contest. Participants get to of participants that selected a beef select the type of entree they will enter in the the number of participants that sele choices will be used. below. b. Find the total number of participation COOKING CONTEST ENTREES SELECTION CHICKEN c. What fraction of the participants NUMBER OF PARTICIPANTS

scaffolded concepts

FREQUENCY TABLES

Students in a middle school choir went on a field trip to the local carnival. The frequency table shows the students' favorite activity at the carnival. Fill in the frequency column and use the data to match statements 1-4 below to the correct value. Not all

	ACTIVITY	TALLY	FREQUENCY
	FERRIS WHEEL	шжжж	
ĺ	ROLLER COASTER	<i>IIII JHI JHI JHI</i>	

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ЖЖІ

1. The number of students who preferred the roller coaster or bumper	a. 8
cars.	b. 61
2. The number of students who preferred the three activities that had the	c. 31
highest frequencies.	d. 33
3. The difference in the number of students who preferred the activity	e. 60
with the highest frequency and the number of students who preferred the activity with the lowest frequency.	f. 7
	g. 59
4. The total number of students on the choir field trip.	h. 49

BUMPER CARS

CARNIVAL BOOTHS

The frequency table shows the total amount of money each customer spent at an online clothing boutique on Thursday Fill in the frequency column and use the data to answer #5-7

	TOTAL SPENT (\$)	TALLY	FREQUENCY
,.	0-49	шжжжжжш	
	50-99	жжжжж	
	100-149	шшшші	
	150-199	пититити	
	200-249	шжжж	

5. How many customers spent more than \$49?

6. What is the difference between the number of customers who spent less than \$150 and the number of customers who spent \$150 or more?

7. The boutique offers free shipping for customers who spend \$100 or more. To find the number of customers who received free shipping, Ellie added the number of customers from the last 2 rows and determined that 45 customers received free shipping. Do you agree? Explain.

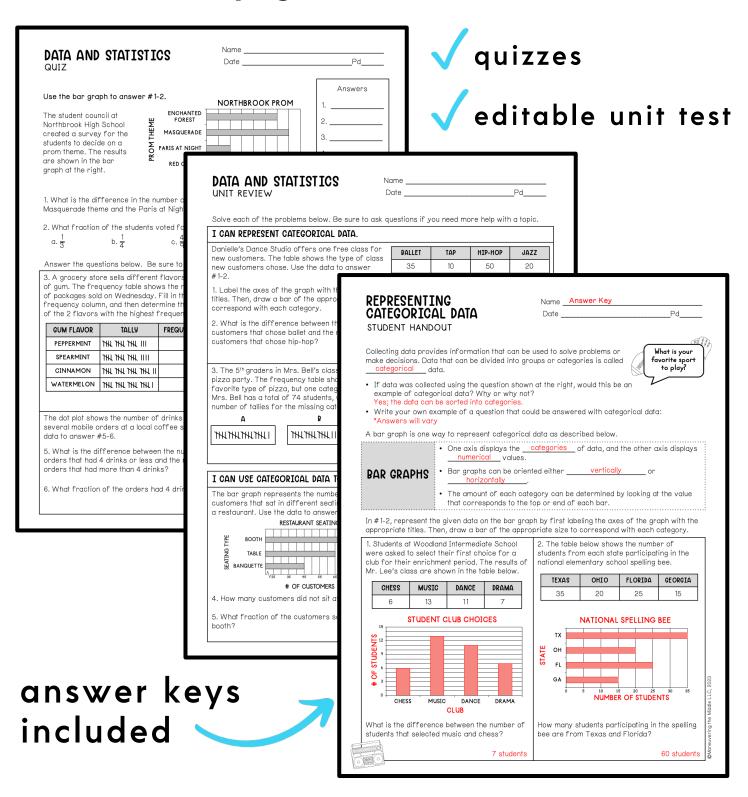
application opportunities

DATA AND STATISTICS



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unit study guide + assessments



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