

Plan for Grade 6 Unit 8: Data Sets and Distributions

Relevant Unit(s) to review: Grade 5, Unit 6: More Fraction Operations

Essential prior concepts to engage with this unit	This unit begins the study of statistics. Prior to grade 6, students have had experience creating and interpreting bar graphs and line plots. They construct and interpret line plots with fractions in grades 4 and 5, though that work is not a formal prerequisite to the grade 6 standards on dot plots, histograms, or box plots.
Brief narrative of approach	Given that the grade 6 lessons are designed to be accessible without full knowledge of prior grade level work with bar graphs and line plots, no new lessons have been added. This unit begins with a personal survey which invites students to share data relating to transportation, family, hobbies, interests, among other things. The results of this survey are integrated throughout the unit. Given that many students are not traveling to and from school or are not engaging in traditional after school hobbies, the survey has been removed. If teachers desire to keep the survey, they can modify questions to reflect the experiences of their students. The two lessons which have been removed involve the consolidation and application of previously learned material.

Lessons to Add	Lessons to Remove or Modify
No additional activities are recommended to access the material for this unit. If the Check Your Readiness assessment shows that students need additional familiarity with representing data visually, consider using Grade 5 Unit 6 to find additional resources on line plots.	These lessons may be modified while still allowing students access to the full range of standards in this unit. 1. Combine Lessons: 6.8.1 and 6.8.2. Lesson 6.8.1 contains a class survey that may need to be significantly adjusted to reflect students' adjusted school and social experiences. The survey can be

	removed to allow Lessons 6.8.1 and 6.8.2 to be combined. 2. Remove Lesson: 6.8.12. This lesson is the application of concepts learned in prior lessons. 3. Remove Lesson: 6.8.18. This lesson is the application of concepts learned in prior lessons.
Lessons added: 0	Lessons removed: 3

Modified Plan for Grade 6 Unit 8

Day	IM lesson	Notes
	assessment	6.8 Check Your Readiness assessment Note that the Check Your Readiness assessment includes item-by-item guidance to inform just-in-time adjustments to instruction within the lessons in 6.8.
1	6.8.1 6.8.2	The warm-up from 6.8.1 can be combined with Activities 2 and 3 from 6.8.2.
2	6.8.3	
3	6.8.4	
4	6.8.5	
5	6.8.6	
6	6.8.7	
7	6.8.8	
8	6.8.9	

9	6.8.10	
10	6.8.11	
11	6.8.13	
12	6.8.14	
13	6.8.15	
14	6.8.16	
15	6.8.17	

Priority and Category List for Lessons

High priority (+), Medium priority (0), Low priority (-)

E: Explore, Play, and Discuss, D: Deep Dive, A: Synthesize and Apply

Lesson	Priority (+, 0, -)	Category (E, D, A)	Notes
6.8.1	+	E	Introduces the terms numerical data, categorical data, and dot plot.
6.8.2	+	E	Introduces the terms statistical question and variability.
6.8.3	+	D	Introduces the terms distribution and frequency. Included in the accelerated course.
6.8.4	0	A	
6.8.5	+	E	Introduces the terms center and spread.
6.8.6	+	D	Introduces the term histogram. Included in the accelerated course.

6.8.7	0	D	
6.8.8	-	A	
6.8.9	+	E	Introduces the terms average and mean. Included in the accelerated course.
6.8.10	+	D	Introduces the term measure of center.
6.8.11	+	D	Introduces the term mean absolute deviation (MAD). Included in the accelerated course.
6.8.12	-	A	
6.8.13	+	E	Introduces the term median.
6.8.14	+	D	
6.8.15	+	D	Introduces the terms range, quartile, and interquartile range (IQR).
6.8.16	+	D	Introduces the term box plot.
6.8.17	0	A	
6.8.18	-	A	