MODE Wor

SHELLEY GRAY

WHY DO WE USE MEDIAN?

We can use the **median** as an alternative to mean. It is one more way to use a central value to describe a data set.

Median is especially useful when there is an outlier (or different from the rest).

EXAMPLE:

Five people in the room have the following ages: 47,

We could use the median to describe about how of room are.

13, 13(14,)14, 47	
	The me

What if we used mean instead? (47+13+14+14+13) +

As you can see, the median is a better way to desc of this data set.

47 is an outlier and skews the mean. It does not hav the median.

Let's use the median:

Yvonne tracks the number of cans recycled per day

WHAT	IS	MEA
(/	VERAG	νE)

The **mean** (c

11, 4

Mean is a way to describe a data set using only one vo the mean referred to as the average.

- How to Calculate the Mean Example: 5 1 Add all the values in the 5 + 8 + 2 + 3data set. **2** Divide the sum by the 30 ÷ 6 = **5** number of values.
- Calculate the mean: 4, 1, 6, 5

OR NO MODE If more than one value appears an equal amo mode.

Example: 9, 2, 6, 2, 9

L	Order the values from least to greates	We use th
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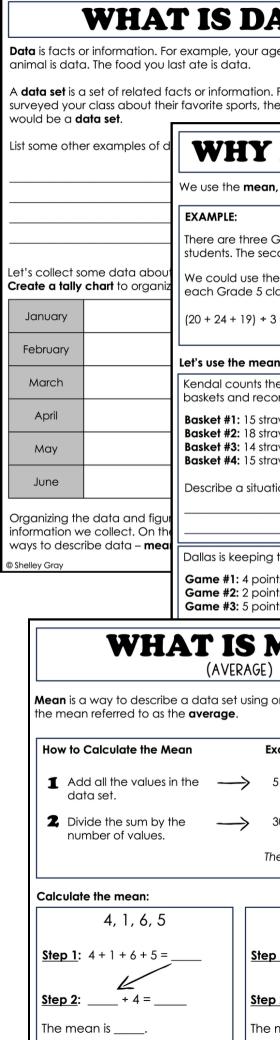
WHY DO
Ve use the mean , or averag
EXAMPLE:

	AEC orby) I A N heets
MORE THAN C		WHAT IS MEDIAN? (MIDDLE NUMBER)
If more than one value appears an equal amo		Median is another way to describe a data set using only one value.
Example: 9, 2, 6, 2, 9	WHY DO WE USE M	How to Calculate the MedianExample: 2, 16, 8, 7, 9
1 Order the values from least to greates	We use the mean , or average , to describe a data set wit	1 Order the values from least \longrightarrow 2, 7, 8, 9, 16
2 Identify the values that appear most of Two values appear twice, so there are two mo	There are three Grade 5 classes in the school. The first cl	to greatest. 2 Identify the middle value. \longrightarrow 2, 7, 8, 9, 16 The median (or middle value) is 8 .
If no values appear more than once, there is n e	We could use the mean to describe about how many st each Grade 5 class.	Calculate the median:
Example: 9, 4, 10, 5, 2	$(20 + 24 + 19) + 3 = 21 \longrightarrow$ The average number of	E 8 4 10 8
Order the values from least to greatest. $-$	Grade 5 class is 21.	Step 1: Order least to greatest:
No values appear more than once, so there is		
Calculate the mode for each set of values. For nore than one mode. 3, 8, 4, 1, 2, 1, 8, 5, 10, 1, 4, 8, 9	Kendal counts the number of strawberries in four differentbaskets and records the data:Basket #1: 15 strawberriesBasket #2: 18 strawberriesWhat is the mean (on number of strawberriesBasket #3: 14 strawberriesnumber of strawberriesBasket #4: 15 strawberriesImage: Color of strawberries	

Looking for a way to teach and reinforce mean, median, and mode?

These worksheets are a perfect supplement to your lessons and can serve as reinforcement, spiral review, or even an assessment tool!





ATA?	
age is data. Your favorite	PRACTICING MEAN
n. For example, if you the information you collected	Calculate the mean for each data set below. Show your work.
DO WE USE	
In, or average , to describe a data set	75, 39
e Grade 5 classes in the school. The first econd class has 24 students. The third c	47, 32
he mean to describe about how man; class.	PRACTICING MEAN
3 = 21 \longrightarrow The average number Grade 5 class is 21.	34, 5, Calculate the mean for each of the following situations. What is the mean cost of a shirt? Show your work.
an:	
the number of strawberries in four diffe cords the data:	120, 1 \$21 \$12 \$17
rawberries What is the mear rawberries number of strawk	Why might this information be useful?
rawberries rawberries	86, 44
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	6, 2, 1
g track of how many points his favorite ints What is the mean (or av ints points he scores per co ints	
	vorksheets provide 🏺
g only one value. We ofte	
Example: 5, 8, 2, 5, 7, 3	anttalding
5+8+2+5+7+3=	caffolding
30 + 6 = 5	
The mean (or average) v	students learn new
11, 4, 7, 12, 10	
2p 1 : 11 + 4 + 7 + 12 + 10 =	concepts
ep 2 :+ 5 =	
e mean is	

INCLUDES	IDEAS
	extra re center
WHAT IS MEADIANCE Warper of the median to describe of addressing More the median to describe of addressing Martine Martine	as an as assessm miscond
We could user (AVERAGE) room are. 13, 13 (14) What if we used mean instead? (47) As you can see, the median is a be of this data set. How to Calculate the Mean Example: 5, 8, 2, 5, 7, 3 How to Calculate the Mean Example: 5, 8, 2, 5, 7, 3 I Add all the values in the \rightarrow 5+8+2+5+7+3=30 appear most often . \rightarrow 2, 4, 5, 9, 10 once, so there is no mode . to greatest. \rightarrow 2, 4, 5, 9, 10 once, so there is no mode .	as spira
The median: The mean (or average) value is 5. Vyonne tracks the number of voldes. The mean (or average) value is 5. Nonday: 24 cans Tuesday: 19 cans Wednesday: 20 cans Thisday: 25 cans Calculate the mean: Step 1: 4 + 1 + 6 + 5 =	to guide

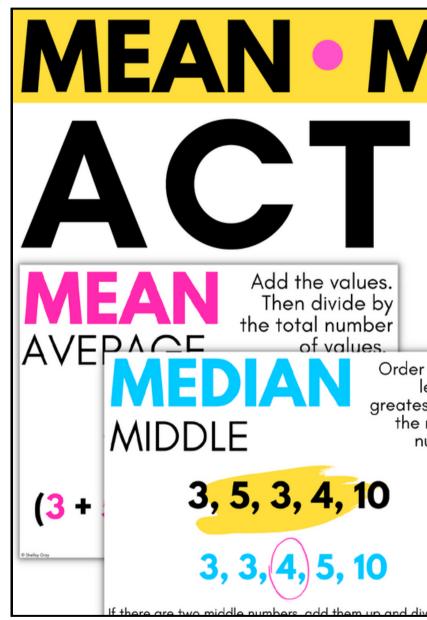
S FOR USE

einforcement at a station or

- assessment tool end-of-unit ment or to identify ceptions
- al review

le small group math lessons

Ready to take the guesswork out of teaching mean, median, and mode? Check out the bundle!



IEDIAN	MODE
	FS
- Ru	ndle
r values least to est. Find middle	TASK #2 TASK TICKET PRICES TICKET PRICES TICKET PRICES TICKET PRICES
MEDIAN: 28, 26, 35 MEDIAN: 28, 26, 35 THE THE THE THE THE THE THE THE THE THE	Ticket prices vary based on where fons are seated. The table below shows the prices in each section. RIDGEROCK FIELD Vhat is the mean (average) ticket price? Show your work. Section Ticket Price 1 \$75 2 \$67 3 \$42 4 \$28
ivide by 2	5 \$13 Now that you have figured out the basebal stadum. Global Park, in or 17, 4, 17, 35, 17, 17, 25, 4, 17, 17, 25, 17, 17, 4, 25 GLOBAL PARK Section Ticket Price