You need out your warm up & Agenda

Homework: MMMR Practice

Warm Up:
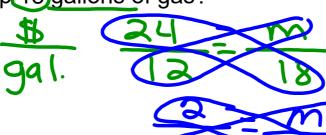
-Ms. Cervino wants to know the 7th graders favorite animal. what
She decides to ask every 6th person who walks into the 7th grade
commons before homeroom. She finds that most students like dogs so
she assumes that most 7th graders favorite animal is dogs.

1) What survey method did she use? Is this a valid conclusion?

Syst.

2) It costs $24 to fill up 12 gallons of gas. How much would it
cost to fill up 18 gallons of gas?

$$\frac{\$}{gal.} \qquad \frac{24}{12} = \frac{m}{18}$$

$$\frac{2}{} = \frac{m}{18}$$

$$\frac{12m}{12} = \frac{432}{12}$$

$$m = 36$$

$$m = 36$$

You need out your warm up and Agenda.
Homework: MMMR Practice
Warm Up:
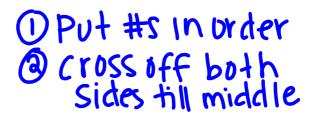
Mean

① Add the #s
② divide by the
#of #s

-Finding the <u>average</u> of a group of numbers.

Example:

Find the mean of Ms. Cervino's math test scores:

82   93   86   97   82

Median

① Put #s in order
② Cross off both
    sides till middle

-The middle value of a list of numbers

-You must put the numbers in order first!

Example:

78   93   86   97   79

1. Put them in order

2. Find the number in the middle

What if I have an even number of scores?

92   86   94   83   72   88

1. Put them in order

2. Find the number in the middle

3. Find the average

Mode

*There can be 2 modes
*There can be no mode

-The number that occurs the **most**

Example:

75 43 25 98 43 67 75 43

biggest — smallest

Range

-The difference between the highest and lowest numbers of the series. (Subtract!)

-Put the numbers in order. ✳

LQ (lower quartile)

The median of the lower set of numbers

middle

UQ (upper quartile)

The median of the higher set of numbers
middle

IQR

Inner Quartile Range

subtract

UQ - LQ

Measures of Center = Mean, Median, Mode

Measures of Variability = Range, IQR

Example: Temperatures in one week

77 77 77 79 82 83 83

1. Highest Number?

   Lowest Number?

2. Subtract!

You Try!

The Stat Family

Dad

35

Mom
34

Jack
5

Sally
10

Joe
2

Find the Mean, Median, Mode, & Range of the families ages.

Homework:

1. Write down the ages of the people living in your house

2. Find the mean, median, mode, and range of the ages.

~~23~~ 71 75 81 84 87 88 92 93 100 100 100

mean = 82.8
median = 87.5 ←

(5-7)

~~65~~ 71 75 ~~81~~ 84 $\boxed{87\ 88}$ 92 93 ~~100~~ ~~100~~ ~~100~~

= 994 ÷ 12 = 82.8

→ Mean ≈ 83

→ median   87.5 ≈ 88

→ Mode 100

Sit silently *please*

Option 1) Mandela & Apartheid Webquest

Option 2) Mandela & Apartheid instagram profile thing