

Student's Name _____

Date _____

TIPS: I MEAN IT!

Dear Family Partner:

In math, we are finding and using averages to discuss some common facts. I hope you enjoy this activity with me. This assignment is due _____.

Sincerely,

Student's signature**I. LOOK THIS OVER:**

Explain this example to your family partner.

Remember: To find the average (**mean**) for a set of data:

- 1) add all of the data;
- 2) divide by the number of pieces of data; and
- 3) round to the nearest whole number if necessary.

DATA: 4, 9, 5, 6, 11**ADD:** $4 + 9 + 5 + 6 + 11 = 35$

5 pieces of data

DIVIDE by Number of Items in Set: $35 \div 5 = 7$ **AVERAGE (MEAN) = 7****II. NOW, TRY THIS:**

Show your family member how you do this example.

DATA: 7, 13, 23, 3, 17, 9, 12**ADD:****DIVIDE** by Number of Items:**AVERAGE (MEAN) =****III. PRACTICE SECTION:**

Complete these examples on your own. Show your work. Explain one example to your family partner.

1. List the ages of all your family and find the mean age.

DATA:**ADD:****DIVIDE** by Number of Items**AVERAGE (MEAN) =**

Is your age close to the mean? _____

2. Find the mean shoe size for all of your family (round half sizes up).

DATA:**ADD:****DIVIDE** by Number of Items**AVERAGE (MEAN) =**

Is your shoe size close to the mean? _____



3. Find the mean height (in inches) of all of your family.

DATA:**ADD:****DIVIDE** by Number of Items**AVERAGE (MEAN) =**

Is your height close to the mean? _____

IN THE REAL WORLD...

People use averages or **means** to report survey results. Poll four family members or friends. Include at least one family member.

ASK: How many hours each day do you work (at school, at a job, or at home)?

How many hours each night do you sleep? (Fill in the chart below with your data)

Names of people you surveyed	Number of hours of <u>work</u> each day (at school, at a job, or at home)	Number of hours of sleep each day
1.		
2.		
3.		
4.		
_____	AVERAGE (MEAN) =	AVERAGE (MEAN) =

Find the average (**mean**) amount of time the people you selected work and sleep each day.

WORK SPACE:

Explain your results to a family member. Discuss with your family member:

Would I find the same means if I surveyed only friends my own age? Why or why not?

ANSWER TO "NOW, TRY THIS":

$$\text{ADD: } 7 + 13 + 23 + 3 + 17 + 9 + 12 = 84$$

$$\text{DIVIDE by Number of Items: } 84 \div 7 = 12$$

$$\text{AVERAGE (MEAN) = } 12$$

IV. HOME TO SCHOOL COMMUNICATION:

Dear Parent/Family Partner,

Please give me your reactions to your child's work on this activity.

Write YES or NO for each statement.

___ My child understood the homework and was able to complete it.

___ My child and I enjoyed the activity.

___ This assignment helped me know what my child is learning in math.

Any other comments: _____

Parent's signature: _____