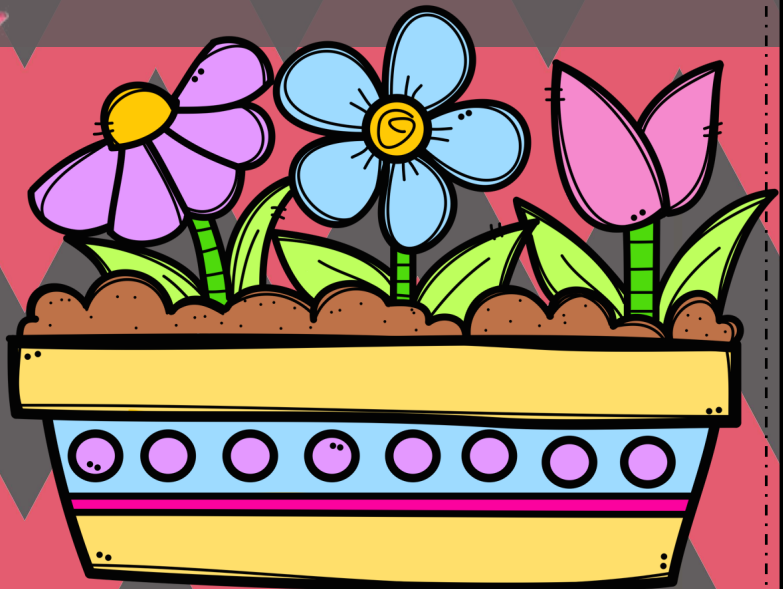


**3rd Grade**  
**Math**  
**Multiplication**  
**Data Collection**  
**Mean, Median, Mode**  
**Graphing**



Made by  
*Creative Inclusion*  
exclusively for  
Playdough to Plato.



# Directions

**Objective:** Students will fluently multiply numbers on a pinwheel.  
Students will collect data and plot it on a frequency chart.  
Students will use data to find the mean, median, mode and range.

**Directions:** Place numbers on the edges of the pinwheels. Place numbers on the leaf. For example, if a 5 is on the leaf the number that stops nearest the 5 after the student blows on the pinwheel, the student would multiply those numbers. So, if a 5 is on the leaf and the student blows the pinwheel and it stops with the 3, the student would multiply  $5 \times 3 = 15$ .

This activity is made for students to work together in teams and compare answers.

The students will then put an x above 15 on the frequency chart and list the fact on the other sheet. (Both color and B&W available, if the sheet is laminated, dry or wet erase markers can be used on the paper again and again, making this a quick and easy activity to have handy!)

Continue to create multiplication problems by blowing on the pinwheels until the sheet is full.

Fill out the bottom portion of the paper for the mean, median, mode and range.

Students can take this a step further and plot their answers on the frequency chart on the other paper.



Name: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

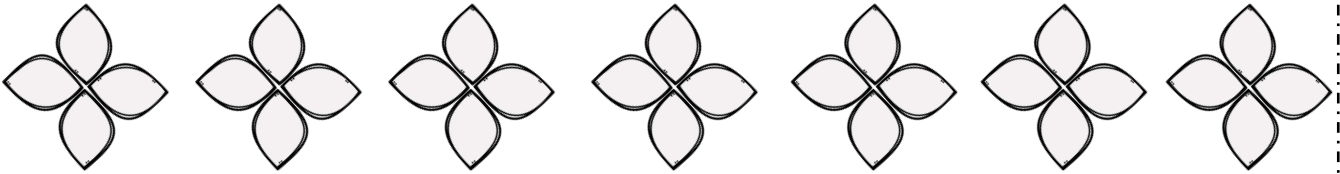
\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_



**Range** (Largest answer - smallest answer) \_\_\_\_\_

**Mean** (Add up all of the answers and divide by the total number of answers)

**Median** (Put the numbers in order. The Median is the number in the middle)

**Mode** (The mode is the number that happens the most frequently)

Name: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

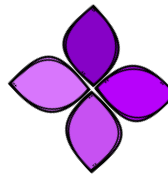
\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_

\_\_\_\_ X \_\_\_\_ = \_\_\_\_



**Range** (Largest answer - smallest answer) \_\_\_\_\_

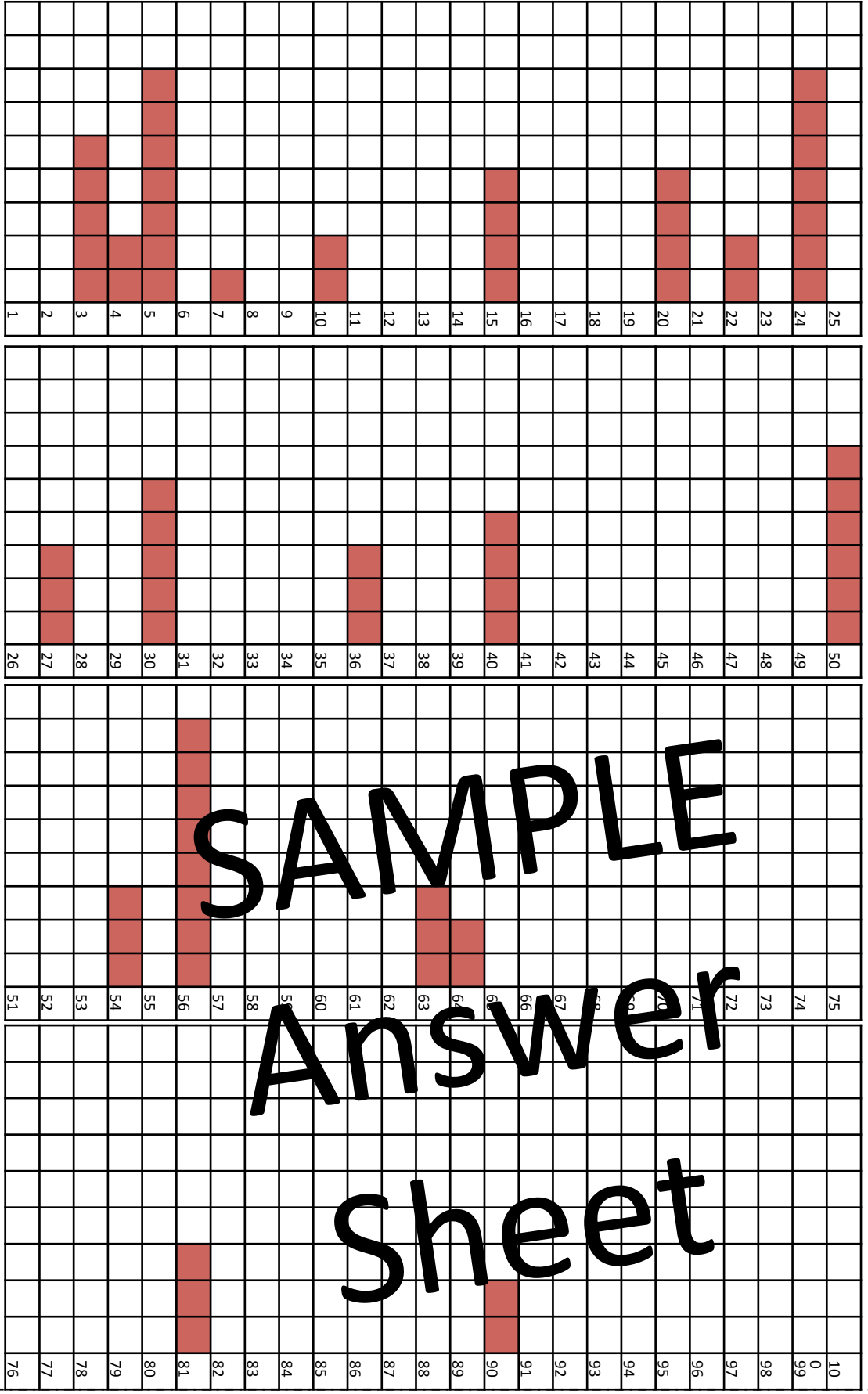
**Mean** (Add up all of the answers and divide by the total number of answers) \_\_\_\_\_

**Median** (Put the numbers in order. The Median is the number in the middle) \_\_\_\_\_

**Mode** (The mode is the number that happens the most frequently) \_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

# Frequency Chart



**SAMPLE  
ANSWER  
SHEET**