

## Class Graphing Center Manipulatives and Center Sheets Packet

By Colleen Gallagher at <http://www.teachingheart.net>

\$19.95 to purchase this CDROM packet. Paypal payment only. OVER ninety classroom files or thirty weeks of graphing!!! The calendar manipulatives and the calendar center activity sheets are Word documents that you can modify to fit the needs of your students. The center banners are in both Publisher and PDF for those who do not have Microsoft Publisher.

You can view and print the free files below!!!



- Do you want to expose your students to graphing on a weekly basis?
- Do you want to meet math standards for graphing?
- Do you want to start up a weekly graphing center in your classroom?
- Do you want an easy way to create a graph center in your classroom?

Did you answer yes to one or more of these questions? What teacher wouldn't?? This packet is your answer. This packet will allow you to easily create a colorful and inviting hands-on graphing center in your classroom in minutes. Your students will enjoy the graphing exercises while you are confident they are gaining the graphing skills they need for life!

This packet of activities was written to match the following standards of education:

- 1.) Student interprets data by reading bar graphs and pictographs using whole unit data.
- 2.) Student reads and interprets charts, picture graphs and bar graphs as sources of information to identify main ideas, draw conclusions, and make predictions.
- 3.) Student answers questions about the number of objects represented in a picture graph, bar graph or table graph; e.g., category with most, how many more in a category compared to another, how many altogether in two categories.

### How to use this packet:

This packet contains everything you need for a weekly graphing center for your classroom. To begin, set up the center on Monday by printing out the center manipulatives and center banner on cardstock. You may choose to laminate the banner and manipulatives to use the following year. On Monday each student answers the question by putting a manipulative under their correct response. When all students have selected their answer, the classroom graph is complete. As a weekly center activity, invite the students to visit the classroom graph and complete the graphing center sheet that matches each center. Review the center sheets at the end of the week as a whole class activity. Your students will be graphing experts by the end of the year!

**Typical grade levels (1-3).** First graders may need to do the graphing center sheet as a whole class activity due to the reading involved. Second and third graders should be able to complete the center sheets independently. Check out the free samples before you buy to see if this is a center you would like to have in your classroom!

### How to display your Graphing Center

You can place your center in a pocket chart as shown below.



This is the Fairytale graph. The students are asked to choose their favorite Fairytale. They may choose The Three Little Pigs, Rapunzel, The Three Bears, or Jack and the Beanstalk. Once they have chosen their fairytale, they place a fairy picture next to their choice. When every classmate has selected their favorite, the class graph is complete and the students may sit by the graph to complete the center sheet.



You may also choose to use a magnetic white board to display your center. Just place magnets behind the center pieces.

Here the students are asked if they would rather take a bath or take a shower. They place the rubber duck graphic under their choice. Once the class graph is complete, students can complete the graphing center sheet during their center time.



Another idea is to use a bulletin board in your classroom as a graphing center area. You would switch the graph weekly or biweekly.

### **Printables Found on CDROM**

#### Masters for Bulletin Board Printables

- a.) Banner – Print, laminate, cut, and place on the top of graphing center.
- b.) Cutouts – these are for the Ziploc baggies to store the center pieces and for the top of the folder which houses the center sheets.

#### 1.) Airplane:

- a.) Have You Ever Ridden an Airplane? - Class Graphing Center Manipulatives (Word document)
- b.) Have You Ever Ridden an Airplane? - Banner for Center Area (PDF)
- c.) Have You Ever Ridden an Airplane? - Center Sheet (Word document)

#### 2.) Apples:

- a.) How do you like your apple? - Class Graphing Center Manipulatives (Word document)
- b.) How do you like your apple? - Banner for Center Area (PDF)
- c.) How do you like your apple? - Center Sheet (Word document)

#### 3.) Bath Shower

- a.) Would you rather take a bath or a shower? - Class Graphing Center Manipulatives (Word document)
- b.) Would you rather take a bath or a shower? - Banner for Center Area (PDF)
- c.) Would you rather take a bath or a shower? - Center Sheet (Word document)

#### 4.) Breakfast Food

- a.) What is your favorite breakfast food? - Class Graphing Center Manipulatives (Word document)
- b.) What is your favorite breakfast food? - Banner for Center Area (PDF)
- c.) What is your favorite breakfast food? - Center Sheet (Word document)

#### 5.) Color

- a.) What is your favorite color? - Class Graphing Center Manipulatives (Word document)
- b.) What is your favorite color? - Banner for Center Area (PDF)
- c.) What is your favorite color? - Center Sheet (Word document)

#### 6.) Days of the week

- a.) Which day of the week do you like best? - Class Graphing Center Manipulatives (Word document)
- b.) Which day of the week do you like best? - Banner for Center Area (PDF)
- c.) Which day of the week do you like best? - Center Sheet (Word document)

#### 7.) Hand

- a.) Which hand do you write with? - Class Graphing Center Manipulatives (Word document)
- b.) Which hand do you write with? - Banner for Center Area (PDF)
- c.) Which hand do you write with? - Center Sheet (Word document)

#### 8.) Holiday

- a.) Which holiday do you like best? - Class Graphing Center Manipulatives (Word document)
- b.) Which holiday do you like best? - Banner for Center Area (PDF)
- c.) Which holiday do you like best? - Center Sheet (Word document)

#### 9.) Nursery Rhyme

- a.) What is your favorite Nursery Rhyme? - Class Graphing Center Manipulatives (Word document)
- b.) What is your favorite Nursery Rhyme? - Banner for Center Area (PDF)
- c.) What is your favorite Nursery Rhyme? - Center Sheet (Word document)

#### 10.) Pets

- a.) Do you have a dog or a cat? - Class Graphing Center Manipulatives (Word document)
- b.) Do you have a dog or a cat? - Banner for Center Area (PDF)
- c.) Do you have a dog or a cat? - Center Sheet (Word document)

#### 11.) Pizza

- a.) What kind of pizza do you like best? - Class Graphing Center Manipulatives (Word document)
- b.) What kind of pizza do you like best? - Banner for Center Area (PDF)
- c.) What kind of pizza do you like best? - Center Sheet (Word document)

#### 12.) Sports

- a.) Which sport do you like best? - Class Graphing Center Manipulatives (Word document)
- b.) Which sport do you like best? - Banner for Center Area (PDF)
- c.) Which sport do you like best? - Center Sheet (Word document)

#### 13.) TV

- a.) How many TVs are in your home? - Class Graphing Center Manipulatives (Word document)
- b.) How many TVs are in your home? - Banner for Center Area (PDF)
- c.) How many TVs are in your home? - Center Sheet (Word document)

#### 14.) Watch

- a.) Are you wearing a watch? - Class Graphing Center Manipulatives (Word document)
- b.) Are you wearing a watch? - Banner for Center Area (PDF)
- c.) Are you wearing a watch? - Center Sheet (Word document)

#### 15.) Winter

- a.) What is your favorite winter activity? - Class Graphing Center Manipulatives (Word document)
- b.) What is your favorite winter activity? - Banner for Center Area (PDF)
- c.) What is your favorite winter activity? - Center Sheet (Word document)

#### 16.) Clothing

- a.) Which are you wearing on the bottom half of your body? - Class Graphing Center Manipulatives (Word document)
- b.) Which are you wearing on the bottom half of your body? - Banner for Center Area (PDF)
- c.) Which are you wearing on the bottom half of your body? - Center Sheet (Word document)

#### 17.) Superhero

- a.) Which Superhero is your favorite? - Class Graphing Center Manipulatives (Word document)
- b.) Which Superhero is your favorite? - Banner for Center Area (PDF)
- c.) Which Superhero is your favorite? - Center Sheet (Word document)

#### 18.) Family

- a.) How many people are in your family? - Class Graphing Center Manipulatives (Word document)

- b.) How many people are in your family? - Banner for Center Area (PDF)
- c.) How many people are in your family? - Center Sheet (Word document)

19.) Summer

- a.) Which is your favorite summer activity? - Class Graphing Center Manipulatives (Word document)
- b.) Which is your favorite summer activity? - Banner for Center Area (PDF)
- c.) Which is your favorite summer activity? - Center Sheet (Word document)

20.) Transportation

- a.) What would you like to ride home in today? - Class Graphing Center Manipulatives (Word document)
- b.) What would you like to ride home in today? - Banner for Center Area (PDF)
- c.) What would you like to ride home in today? - Center Sheet (Word document)

21.) Fairytales

- a.) Which Fairytale is your favorite? - Class Graphing Center Manipulatives (Word document)
- b.) Which Fairytale is your favorite? - Banner for Center Area (PDF)
- c.) Which Fairytale is your favorite? - Center Sheet (Word document)

22.) Fall

- a.) What is your favorite fall activity? - Class Graphing Center Manipulatives (Word document)
- b.) What is your favorite fall activity? - Banner for Center Area (PDF)
- c.) What is your favorite fall activity?? - Center Sheet (Word document)

23.) USA Flags

- a.) Which is your favorite State Flag? - Class Graphing Center Manipulatives (Word document)
- b.) Which is your favorite State Flag? - Banner for Center Area (PDF)
- c.) Which is your favorite State Flag? - Center Sheet (Word document)

24.) Chocolate Milk

- a.) What kind of milk do you like best? - Class Graphing Center Manipulatives (Word document)
- b.) What kind of milk do you like best? - Banner for Center Area (PDF)
- c.) What kind of milk do you like best? - Center Sheet (Word document)

25.) Heads or Tails Graph (Supply a quarter for flipping. A student flips and records their results of the class graph.)

- a.) Did you flip heads or tails? - Class Graphing Center Manipulatives (Word document)
- b.) Did you flip heads or tails? - Banner for Center Area (PDF)
- c.) Did you flip heads or tails? - Center Sheet (Word document)

26.) Cards (supply a deck of cards. Student draws from the deck and records their results on the classroom graph.)

- a.) What suit did you draw? - Class Graphing Center Manipulatives (Word document)
- b.) What suit did you draw? - Banner for Center Area (PDF)
- c.) What suit did you draw? - Center Sheet (Word document)

27.) Letters in First Name

- a.) How many letters are in your first name? - Class Graphing Center Manipulatives (Word document)
- b.) How many letters are in your first name? - Banner for Center Area (PDF)
- c.) How many letters are in your first name? - Center Sheet (Word document)

28.) Ice Cream Flavors

- a.) Which flavor is your favorite? - Class Graphing Center Manipulatives (Word document)
- b.) Which flavor is your favorite? - Banner for Center Area (PDF)
- c.) Which flavor is your favorite? - Center Sheet (Word document)

29.) Dice – Supply one die and have students graph the number they roll.

a.) What did you roll? - Class Graphing Center Manipulatives (Word document)

b.) What did you roll? - Banner for Center Area (PDF)

c.) What did you roll? - Center Sheet (Word document)

30.) Favorite Cereal – supply tastes of three cereals; Cheerios, Life, & Apple Jacks

a.) What cereal did you like best? - Class Graphing Center Manipulatives (Word document)

b.) What cereal did you like best? - Banner for Center Area (PDF)

c.) What cereal did you like best? - Center Sheet (Word document)

#### BONUS FILES:

1.) Clifford Fruit Snacks – Activities to go along with the Clifford Fruit Snacks. Includes a graph, class data sheet, and a game to match! (1-3)

2.) Graphing the Inside of Cookie – Three Pages. Directions, graph, and follow up questions. (2-3)

3.) Farm Picture Graph – Student Activity Sheet (k-1)

4.) Graphing for Spring – Student cuts out pictures to place on a given graph. (1-3)

5.) Graphing for Winter – Student cuts out pictures to place on a given graph. (1-3)

6.) Graphing Watermelon Favorites – Student tally and graph. (1-3)

7.) How Did You Get To School Graph – Students tally & graph classmates replies. Then, student answers questions about the graph. (1-2)

8.) Favorite Ice cream Flavor – Students tally & graph classmates replies. Then, student answers questions about the graph. (1-2)

9.) Graphing for Fall - Student cuts out pictures to place on a given graph. (1-3)