**SPRING STUDENT**

**ENRICHMENT PACKET**

**Elementary Mathematics**

**Grade 2**

**MC900232235[1]**

**™**

**Prince George’s County Public Schools**

**Office of Academic Programs**

**Department of Curriculum and Instruction**

Grade 2 SPRING STUDENT ENRICHMENT PACKET

Mathematics

**DIRECTIONS and Notes to Parents**

*Complete each activity in the Spring Student Enrichment Packet. Write your responses in the spaces provided.*

**Parents are encouraged to assist in the following ways:**

* Make a plan to complete the activities during the Spring Break.
* Provide a quiet space and time for your child to work on the packet.
* Help your child with the directions and completing the activities. Encourage your child to persevere as they work toward completing each activity.
* Review and discuss your child’s responses. Provide positive feedback and praise for sincere effort and independence.
* Encourage fact practice and assist as needed. The fluency for 2nd grade is to know from memory all facts within 20. Use strategies to add and subtract with 100.

**Thank you for helping your child to succeed!**

Matthew surveyed 35 friends and family members to find out their favorite fruit. The table shows the data.

|  |  |
| --- | --- |
| **Favorite Fruits** | |
| **Banana** | **5** |
| **Apples** | **10** |
| **Watermelon** | **7** |
| **Grapes** | **13** |

1. Matthew surveyed more friends and family members. Make a data table to show that Matthew surveyed a total of 50 friends and family members.

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| **Favorite Fruits** | |
| **Banana** |  |
| **Apples** |  |
| **Watermelon** |  |
| **Grapes** |  |

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| How does the second chart change from the first chart? **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

Teresa and three classmates are playing a game using a spinner.

The spinner has four equal sections: one red, one blue, one green, and one pink.

Each player selects a color. Players get a point each time the spinner lands on their color.

The players spin the spinner 25 times.

The tally chart represents the data.

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| **Tally of Spins** | |
| **Blue** |  |
| **Green** |  |
| **Red** |  |
| **Pink** |  |

2. Use the data from the Tally of Spins chart to create a bar graph on the grid paper provided. (*Remember to include all characteristics of a bar graph such as a title, labels, scale, etc.)*

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3. Write three questions and answers in the box about the data on your graph.

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| Question:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Question:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Question:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Three Girl Scouts sold cookies for one week. The table shows the data.

**Boxes of Cookies Sold**

|  |  |
| --- | --- |
| **Rosa** | **13** |
| **Betty** | **12** |
| **Sue** | **15** |

4. Use the data from the Boxes of Cookies Sold table to create a pictograph below.

(***Remember to use the key and include a title for your pictograph.*)**

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| [http://t1.gstatic.com/images?q=tbn:ANd9GcRiokJ9KCLiyyRkgY_7MKqiWg0IdGjMKiTxw2X1_7XTBvwACkM5](http://www.google.com/imgres?imgurl=http://1.bp.blogspot.com/-94XK-zMZLFI/Tk5ekLtwDgI/AAAAAAAADs4/dEjtNbQsvXc/s400/Cookie.gif&imgrefurl=http://www.weightymatters.ca/2011/08/cookie-size-of-my-face.html&h=380&w=382&sz=46&tbnid=6kcV1kYsM3WLyM:&tbnh=92&tbnw=92&prev=/search?q=picture+of+a+cookie&tbm=isch&tbo=u&zoom=1&q=picture+of+a+cookie&docid=GvBw4TpjTMsduM&hl=en&sa=X&ei=fGpKT-nNEIyr0AGKkLyFDg&sqi=2&ved=0CC4Q9QEwAQ&dur=1625) **Each = 1 box** |

**Key:**

5. How many total boxes of cookies did the girls sell? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write a number sentence to show the total number of cookie boxes sold in all.

\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_ sold in all

6.Which Girl Scout(s) sold an even number of boxes of cookies? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Write the number sentence on the line to show why it is an even number of boxes.

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7. Which two girls sold a total of 28 boxes of cookies?

Write the number sentence on the line.

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8. Half of the cookies Betty sold were Thin Mints.

How many boxes of Thin Mints did Betty sell? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explain your answer.

|  |
| --- |
| **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**  **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** |

9. How many boxes of cookies does Rosa need to sell to have a total of 30 boxes of cookies? Write an equation with a symbol for the unknown to show your thinking.

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

10. The goal for the three girls is to sell a total of 100 boxes of cookies. How many more boxes do the girls need to sell so that the total for all three is 100 boxes of cookies?

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Write an equation with the boxes needed for their total to equal 100 boxes of cookies.

\_\_\_\_\_\_\_+ \_\_\_\_\_\_\_\_+\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rosa Betty Sue