**SPRING STUDENT**

**ENRICHMENT PACKET**

**Elementary Mathematics**

**Grade 5**



**™**

**Prince George’s County Public Schools**

**Office of Academic Programs**

**Department of Curriculum and Instruction**

Grade 5 SPRING STUDENT ENRICHMENT PACKET

Mathematics

DIRECTIONS

*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.

       Review and discuss your child’s responses.  Provide positive feedback and praise for sincere effort and independence.

      Encourage fact practice and assist as needed.  Grade 5 fluency expectation is for multi-digit multiplication.

Thank you for helping your child succeed!

Shana’s Collection of **Sticker Widths (*in inches*)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  **x** |  |  |  |  |  |  |  |  |  |  |  |  |
|  **x** |  |  |  | **x** |  |  |  |  |  |  |  |  |
|  **x** | **X** |  |  | **x** |  |  |  |  |  |  |  |  |
|  **x** | **X** |  |  | **x** |  |  | **x** | **x** |  |  |  |  |
|   **x** | **X** |  |  | **x** | **x** |  | **x** | **x** | **x** |  |  |  |

 

 0

 4

 3

 2

 1

**Use the information from the line-plot to answer questions 1 - 6.**

**Read the question and choose the best answer.**

The line-plot shows the widths of various stickers that Shana has in her collection of stickers**.**

**1**. How many stickers have a width of at least inches?

**A**  9  **B** 10 **C**  13 **D**  18

**2**. The greatest number of stickers has a width of \_\_\_\_\_\_\_\_\_\_\_.

 **A**   inches **B**  inches **C**  inches **D** 3 inches

**3**. A jumbo sticker is more than 2 inches wide. How many jumbo stickers does Shana have?

**A** 1 **B**  4 **C**  5 **D** 13

**Read the question and choose the best answer.**

**4**. What is the difference in width of his smallest jumbo sticker and his largest jumbo sticker?

 **A**  **B**   **C**  **D** 1

 **5**. How many times is the width of the smallest sticker to the width of the largest sticker?

  **A** 1  **B** 3 **C**  5  **D** 10

**Select the** *two* **answer choices that correctly answer the question.**

 **6.** Which four stickers could Shana place side by side with no gap in between to equal exactly 4 inches?

 **A**  +  +  + 

 **B**  +  + + 2

 **C** 2 +  +  + 

 **D**  + 1 + 2 + 3

 **E** 1 +  + 1 + 

**Use the information below to answer questions 7 and 8. Read the question and choose the best answer.**

**Three friends are sharing 36 cookies. Jerry states that he wants**  **of the cookies, Gary wants**  **of the cookies and Terry wants**  **of the cookies. How many cookies does each person want? Is this possible?**

 **7. A** Jerry = 9, Gary = 18, Terry = 27; No **C** Jerry = 14; Gary = 12; Terry = 13; No

 **B** Jerry = 4, Gary = 2, Terry = 24; Yes **D** Jerry = 12; Gary = 12; Terry = 12; Yes

**Read the question and write your response in the space provided.**

**8. Justify why or why not it is possible for each friend to receive the fractional amount of cookies stated in problem 7 by writing an equation that represents the amount of cookies Jerry, Gary, and Terry would each get. Explain how your equations defend your answer using words, numbers, and or symbols.**

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**Select the** *two* **answer choices that correctly answer the question.**

**9. Mark needed to cut a piece of wood for his project that measures 4** **inches. How much wood will he have left if the board that he is cutting from is 8 inches long?**

 **A 3.5** in. **B** 3  in. **C**  4 .25 in. **D** 2 in.  **E** 3 

**Use the information below to answer the question. Read the question and choose the best answer.**

 **Tanya measured two worms in science class. The lengths of the two worms are shown:**

* **Worm A:**  inch
* Worm B:  inch

The science teacher asked Tanya to compare the combined length of the worms to inch.

 **10**. Choose the correct statement below.

 **A**  +  <  **C**   +  = 

 **B**  +  >  **D**   +  < 

**Read the question and choose the best answer.**

**11. Which expression is equal to**  ?

 **A** 8 – 7 **C**  

  **B** 7 x 8 **D** 7 8

**Use the diagram to answer the question.**



 **12**. What is the volume of the rectangular prism in cubic units?

 **A**  11 cubic units **C** 24 cubic units

 **B**  20 cubic units **D**  60 cubic units

**The diagram below represents one whole.**

**Use the diagram to answer the question.**



 **13**. Represent the number of shaded squares. Explain your answer using words, numbers, and or symbols.

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