 **Grade 2 **

**MATHEMATICS**

**WINTER STUDENT**

**ENRICHMENT PACKET**



**™**

**Prince George’s County Public Schools**

**Office of Academic Programs**

**Department of Curriculum and Instruction**

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| **Directions and Notes**  **for Students and Parents**  **Grades 1 - 5** |
| 1. Plan to work for about one hour to complete the entire packet. 2. Find a quiet place to complete your work independently. 3. Read each problem carefully before selecting or writing your answer. 4. Check your work.   Thank you for helping your child succeed! |

**Holiday Bracelet**

Use your knowledge of addition to design a beaded necklace with a budget of $2.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| A | B | C | D | E | F | G | H | I | J | K | L | M |
| 15¢ | **10¢** | **11¢** | **12¢** | **15¢** | **10¢** | **11¢** | **12¢** | **15¢** | **10¢** | **11¢** | **12¢** | **13¢** |
| N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| 10¢ | **11¢** | **12¢** | **10¢** | **11¢** | **12¢** | **10¢** | **15¢** | **11¢** | **12¢** | **10¢** | **11¢** | **12¢** |

* Decide on a word or words for your bracelet. Think about choosing your name, a pet’s name, holiday words, a mathematics word…. Your word or words must have at least five letters.
* Estimate to predict whether the sum for your choice is less than $2.
* Find the actual cost of the letters you chose. If the cost is less than $2, how many times can you write your word(s) and stay under $2?

1. Fill in the missing penguin numbers. Think about the pattern. How are the numbers in each row determined?

Explain why your answer is correct using words, numbers and/or symbols.

Hint:.

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**2.MD.8**

1. My word: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ My estimate for the cost: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Determine the actual cost. Write the number sentence for the actual cost.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the most number of times that you could write your word(s) and stay under $2? How do you know your answer is correct? Explain.

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**2.MD.7**

1. Jason went out to play at 5:15. Circle the clock that shows the time that Jason went out to play?



**2.NBT.6 and 2.NBT.5**

**3.** Pat, Sam, Kim, and Kyle were playing in the snow. The children made snowballs and built walls for defense. Sam had the most snowballs. Sam has a two-digit number of snowballs.

**Create a chart to show the following**:

Pat had 5 snowballs less than Sam. Kim had 3 more snowballs than Pat.

Kyle had 2 snowballs less than Kim. How many did they have in all? Show how many snowballs each person could have had. (Hint: There is more than one correct answer.)

|  |  |
| --- | --- |
| Name | Number of snowballs |
| Pat |  |
| Sam |  |
| Kim |  |
| Kyle |  |
| **Total** |  |

**2.NBT.1**

**4-6.** **Place Value:** Use these place value blocks to write three 3-digit numbers as base ten numerals. You must use all blocks and you can only use each block once. (Hint: There is more than one correct answer.)

 





* One number must have a zero in the tens place
* One number must have a zero in the ones place
* Two numbers must be odd and one even

Your numbers: (4) \_\_\_\_\_\_\_\_\_\_ (5) \_\_\_\_\_\_\_\_\_\_ (6) \_\_\_\_\_\_\_\_\_

**7-9.** MC900090396[1] Three skiers were collecting flags to earn points. Each skier must earn exactly 100 points. Select the flags for each skier so they can reach their goal. Match the

flags that give the sum of 100 points by coloring them. (Example: Color all of the first skier’s flags ***blue***, the second skier’s flags ***red****,* and the third skier’s flags ***yellow***.)

**2.NBT.5**

**Remember:** A flag can only be captured by one skier.

 

24 points

40 points

60 points



16 points

45 points

55 points



0 points

25 points

35 points

Explain why your answer is correct. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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**2.MD.8**

**10.** Cheryl bought a soda that cost 32¢. She paid with exactly six coins. Tell which coins Cheryl used to pay for the soda. Draw them in the space below.

**\*\*Bonus\*\*** Create your own word problem and solution about an experience during the Winter Break. Don’t forget to include strategies for the solution.