**Unit 6 Math Study Guide- Graphing**

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| **Represent and interpret data using tally charts, picture graphs, and bar graphs**  **Bar graphs:**  Johnny asked his friends to vote for their favorite holiday and these are they votes he collected:  Christmas Christmas Valentine’s Day Christmas Thanksgiving Thanksgiving  Valentine’s Day Christmas Thanksgiving Thanksgiving Christmas  Complete the tally chart.   |  |  | | --- | --- | | Holiday | Tallies | | Christmas |  | | Valentine’s Day |  | | Thanksgiving |  |   Use your tally chart to make a bar graph   |  |  |  |  | | --- | --- | --- | --- | | 5 |  |  |  | | 4 |  |  |  | | 3 |  |  |  | | 2 |  |  |  | | 1 |  |  |  | |  | Christmas | Valentine’s Day | Thanksgiving |   **Favorite Holidays**  Which holiday had the most votes? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Which holiday had the least votes? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  How many people voted in all? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Write your own question that someone could answer using the tally chart or graph. |
| **Picture graphs:**    Which school lunch choice do most students like best?  How many students like breakfast best?  How many more students like chicken nuggets than pizza?  How many students voted in all? |

**Unit 6 Math Study Guide- Money**

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| **Know the names and values of a penny, nickel, dime and quarter. Recognize the heads and tails sides.**    penny= 1¢ nickel = 5¢ dime = 10¢ quarter = 25¢  **Count coins with values up to a dollar using combinations of pennies, nickels, dimes and quarters.**   * *Counting actual coins is a great way to practice*.   **Show an amount of money in multiple ways.**   * 82¢ = Q Q Q N P P **OR** D D D D D D D D P P   $1  $1  $1   * $3.28= D D D N P P P **OR** QQQQ QQQQ QQQQ QPPP   **Choose the money needed to show equivalent amounts of money.**  Which coin is needed to make the two groups equal?  **\_\_\_\_\_\_\_\_\_** |
| **Solve problems involving money. Find change using subtraction.**  Sara bought a sandwich for $4. He bought a bag of chips for $2. How much money did he spend?  $4 + $2= $6  Jon bought a soft pretzel for 56¢. He paid with $1.00. How much change did he get back?  9  0 ~~10~~ 10  $~~1~~.~~0~~ ~~0~~  - 56¢  44¢ |

**Unit 6 Math Study Guide- Comparing Measurements**

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| **Measure length using appropriate tools**.  The students will measure with rulers and measuring tapes.    The pencil is 16 centimeters long.  The crayon is 3 inches long. |
| **Compare measurements.**  Measure both pencils in centimeters. How much longer is the top pencil? |
| **Estimate length using units of inches and feet.**  Which is the best estimate of Which is the best estimate of the  the length of a real desk? length of a real homework folder?   1. 1 foot a. 1 foot 2. 3 feet b. 3 feet 3. 7 feet c. 7 feet |
| **Write and solve addition and subtraction number stories about length**  When solving a number story it is important to remember to include a unit and a number sentence in the answer.  **Students will need to solve number stories such as:**   1. Jennifer had 15 yards of fabric. She used 8 yards to make curtains. How many yards of fabric does Jennifer have left?   Answer: 15 - 8= 7 yards  **Students will need to write number stories about length to match a diagram.**    Example: Tom has a piece of duct tape that is 5 inches long. He cut a piece 3 inches long. How much duct tape does he have in all?  Answer: 5+3=8 inches |