**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 ThanksgivingValentine’s Day Christmas Thanksgiving Thanksgiving ChristmasComplete the tally chart.

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| Holiday | Tallies |
| Christmas |  |
| Valentine’s Day |  |
| Thanksgiving |  |

Use your tally chart to make a bar graph

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| --- | --- | --- | --- |
| 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= $6Jon 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 |