

Unit 6 Math Study Guide- Graphing

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 the 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

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
- \$3.28 = \$1 \$1 \$1 D D D N P P P **OR** Q Q Q Q Q Q Q Q Q Q Q Q Q P P P

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?

$$\begin{array}{r}
 9 \\
 0 \cancel{10} 10 \\
 \$1.00 \\
 - \quad 56\text{¢} \\
 \hline
 44\text{¢}
 \end{array}$$

Unit 6 Math Study Guide- Comparing Measurements

Measure length using appropriate tools.

The students will measure with rulers and measuring tapes.



The crayon is 3 inches long.



The pencil is 16 centimeters 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 the length of a real desk?

- a. 1 foot
- b. 3 feet
- c. 7 feet

Which is the best estimate of the length of a real homework folder?

- a. 1 foot
- b. 3 feet
- c. 7 feet

Write and solve addition and subtraction number stories about length

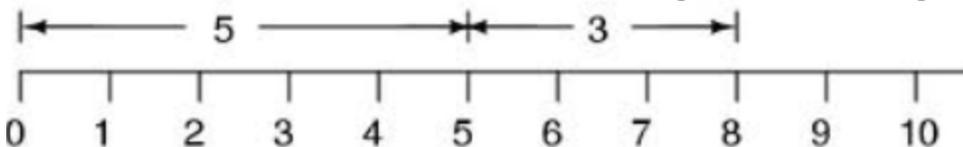
When solving a number story it is important to remember to include a unit and a number sentence in the answer.

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

