

# **SURVIVAL MATH**

(Experiencing Math in Your Everyday Life)

Your Name \_\_\_\_\_

## **WHAT WILL YOU BE DOING?**

**You will be responsible for completing one math activity every other month. The projects are due on Fridays during those months. Parents, siblings, relatives, or friends can help you on these projects. I only ask that your work be your own. The objective of Survival Math is to use your math skills in different real world activities.**

### **Activity Essentials**

You should include the following parts on each activity. Everything should be neat and well organized.

- A cover sheet or label at the top of the paper with your name, date, and project # (if you're doing a Power Point presentation, this will be the title slide)
- A reason why you chose this particular project
- Chart, graph, table or other graphic representation of your findings
- An explanation of what you did and how you did it
- Evidence or proof of where you obtained your information
- A summary telling what you learned

### **More Specific Instructions**

1. Some activities are more difficult to research and will take more time to do. You should get started on the activity long before its due date.

Don't procrastinate.

2. You will be graded on a 10-point system. Each activity is worth from 1-10 points. The highest score is a "10." Receiving a "10" on an activity means that you have gone well beyond what some one your age normally would do, you have put out extra effort, and you have extended the activity to its fullest. Of course, it also means that your work is easy to read and understand.

3. You will do the activity, and then create a display of your findings. A small poster (8 1/2 X 11), Power Point presentation, flipchart, essay, or a news article are some ideas for presenting your material. Any way you care to show what you've done works. Be creative! Try to stay in the 8 1/2 X 11 size if you can.

4. Stars (\*\*\*\*\*) indicate the amount of involvement you will give to your project. The following chart shows the involvement scale.

***	<b>Minimum Involvement Necessary</b>	Usually can be done with very little adult help, time, or extra materials
****	<b>Extra Involvement Necessary</b>	Usually takes some, extra materials, transportation, communication by phone, and/or some extra time.
*****	<b>Maximum Effort Needed</b>	<b>Usually takes research, transportation, parent involvement, and/or additional time and effort</b>

5. The key word(s) is in bold letters so that you can scan the activities quickly to find something that you might be interested in pursuing.

6. Your audience is your teacher and your classmates. You will be responsible for sharing your activities with them on the due date—so don't be late!

7. Keep all of your activities in a math portfolio or special math folder so that you'll have them all together to look back at. If you create a Power Point, print out the slides and attach them in your folder. Leave a space after each activity for the scoring guide. You will end up with a total of 5 activities.

8. You must complete one activity every other month to receive an ADVANCED grade in the Mathematical Reasoning section on your report card.

9. This is like an Oral Language presentation. Be sure to practice! Eye contact, volume, and posture are important. Be sure to practice with your prop: if it's a poster, practice presenting the information on the poster, if it's a PowerPoint, practice presenting the PowerPoint. We can tell when you've practiced and when you haven't, so practice!!

### **Tentative due date schedule**

Here is a **tentative** due date schedule. Obviously, things happen: fires, assemblies, zombie apocalypses. If a date ends up changing, we'll be sure to communicate it clearly.

October (3rd, 10th, 17th, 24th, 31st)

December (5th, 12th, 19th)

January (2nd, 9th, 16th, 23rd, 30th)

March (6th, 13th, 20th, 27th) and

May (1st, 8th, 15th, 22nd, 29th)

There is no excuse to turn in late projects. Be sure to work on your project ahead of time-DO NOT wait until the night before it's due!!!

Please have a parent sign up on our SignUp Genius for a date you'll present. The link is:

<http://www.signupgenius.com/go/5080c4fafad23ab9-survivor>

### **Scoring of the project**

Here is how the project will be scored. You can earn a total of 10 points for each project.

Each project must include:

COVER SHEET with name, date, and project # included.

1 point \_\_\_\_\_

Neatly done. May include an illustration or border.

REASON WHY this project was chosen.

1 point \_\_\_\_\_

DATA SHOWN USING GRAPHIC

1 point \_\_\_\_\_

REPRESENTATION.

(Graph, table, or chart is used)

EXPLANATION of what you did and how you did it.

2 points \_\_\_\_\_

SUMMARY (What did you learn?)

1 point \_\_\_\_\_

NEATLY DONE with few or no spelling errors.

1 point \_\_\_\_\_

PLANNING AND ORGANIZATION shown in

1 point \_\_\_\_\_

activity.

ORAL PESENTATION of the activity.

2 points \_\_\_\_\_

(Describe and/or show what you did. DON'T JUST READ YOUR PAPER.

Now you have the basics of what my expectation is for each project.

Sounds like fun, doesn't it??? You're raring to get started, aren't you???

Here they are. Have fun!!

## **Survival Math Activities**

1. Make a prediction about how much it costs to own your **pet**. Keep track of how much money your family spends to feed and take care of it. You might include pet supplies, pet food, litter, toys, medication, vet bills, and pet insurance. List what your pet needs for a month. Calculate how much it costs to own your pet for an entire year. Were your predictions correct? \*\*\*\*\*

2. If you do not have a **pet**, research the cost of having the one that you want. Include the cost of the animal, the supplies and equipment you will need. Try to think of all the concerns that your parents would have against the pet. Write a persuasive letter to your parents trying to convince them that you should have this pet and showing them the research that you have done.

\*\*\*\*\*

3. Prepare a grocery list with your parents. Then go to the **grocery store**, or if you can't get to the store, go online. Select five items to do a comparative price check. That means that if you have spaghetti on your list, compare three different brands of spaghetti. Make sure the weight on the package is exactly the same and that the item is a very close match. Tell the name of the store you shopped at in the title of the chart. Use a chart similar to the one shown below.

\*\*\*\*\*

<b>Item Comparison</b>	
Name of Market	_____
<b>Item #1 Spaghetti Prices</b>	
Anthony's Spaghetti	\$1.19
American Beauty Spaghetti	.99
Lady lee Spaghetti	.89
<b>Item #2 Tomato Soup</b>	

4. Ask your parents to share the **cost of groceries** for your family for one week. Include the cost of the food for the nights you eat out in restaurants and fast food takeouts. Figure out the approximate cost of food for your family per week, per month and per year based on the information you have. Are you surprised at your findings? \*\*\*\*\*

5. Select any ten **grocery items** your family normally uses. Make a comparison chart showing the difference in price at three different grocery stores. You may go online for your shopping adventure or you could use newspaper ads. \*\*\*\*\*

	Von's	Food 4 Less	Albertson's
1 gallon of Dreyer's chocolate ice cream			

6. If you are in Girl Scouts, Boy Scouts, or any other organization, use your **moneymaking projects** to create a survival math activity. You could show the results of the cookie/popcorn/magazine/gift wrapping drive for yourself and for the whole organization. Find out how that money was spent. \*\*\*\*

7. **Tutor** or assist a younger child with their math homework such as telling time, multiplication facts, counting change, etc. Make a schedule for yourself and the child. Make sure you spend ten 10-15 minute sessions with your student. Have an adult initial each session. What do you think your tutee learned from you? \*\*\*\*

8. Fill out three **catalog order forms** from a store like Sears, JC Penney or Nordstrom's. Make sure that your work is neatly filled out and accurate. Include a picture of what you are ordering. If you don't really buy anything, hand in that form. If you are planning a real order, make a copy to hand in to your teacher. Don't forget sales tax and shipping cost where applicable. Glue all of these to a piece of paper to hand in. \*\*\*

9. Go to a **restaurant** with your family (This should not be a fast-food restaurant.) Check to see if the waiter or waitress has added the bill correctly. Check to see if there is sales tax added to it. Ask for a copy of the bill. How much of a tip should be given to the waiter or waitress? Actually pay the bill for your parents to see if you get the right change back. Obtain a menu, if possible. Keep a record of what the dinners were and how much each cost. Figure out the average cost of each person's dinner. \*\*\*\*

10. If you are in a **competitive sport**, figure out how much it costs for the uniforms, equipment, fees, transportation, gas and food for the season. \*\*\*\*\*
11. Think of a **hobby** that you are interested in. Figure out how much money this hobby will cost you for a week, for a month, for a year. Show the cost on a chart or diagram. Include your supplies and the cost of each. \*\*\*\*\*
12. If you travel to school by car or bus, figure out how many **miles** the round-trip is. Find out how many days you are actually in school. Based on your information, how many miles do you travel per week, per month and per school year? \*\*\*
13. Help your family figure out how many **miles per gallon** your family car gets on a long trip. You can do this by filling your tank at the beginning of the trip and recording your odometer mileage. When you stop for gas again, fully fill it. Divide the number of miles that you have traveled by the number of gallons you have used. \*\*\*\*
14. If you receive an **allowance**, figure out how much you will obtain in a week, a month and a year. Tell how you will use your allowance in a responsible way. You may also include approximate amounts you will receive for your birthday, Christmas or Hanukah. Make sure your calculations are correct; recheck your totals with a calculator. \*\*\*
15. Keep a record of how many miles your family's **cars** travel in a three-week period of time. Record the mileage at the end of each week. Find the average number of miles that the cars traveled per week. At that rate, figure out how many miles your car will travel in a year, two years, five years and ten years. Show your calculations. \*\*\*\*\*
16. Find out what the cost of renting **an economy, mid-size, and luxury car** is at a local rental agency. Compare it with another agency's prices. What are the extra charges for mileage and gas consumption? If you are taking a trip, try to use the information to help you prepare for it.  
\*\*\*\*
17. Save the money you earn from the **recycling** of cans. Tell how much a can and a two-liter plastic bottle are worth, how many cans you collect, what the bottles and cans weigh and how you think you'll spend your money for a personal or family event. If you find a double redemption coupon, use it. \*\*\*\*

18. Follow the price of a gallon of **gasoline** from three different service stations. Compare the price for unleaded, unleaded plus, and super/premium unleaded at three different service stations over a three-week period. Compare the rise and fall of gas prices during this time. Make a chart similar to the one below or draw a graph to show your comparisons. \*\*\*\*

Station	Shell			Chevron			Union 76		
Week	1	2	3	1	2	3	1	2	3
Unleaded									
Unleaded Plus									
Super Unleaded									

19. Go to the bank with your parents. Open a savings account if you do not have one. Find out how much interest the bank will pay you for having your money in your account. What does interest mean? Make a copy of your application or paper work, or fill out a deposit slip to show you know how to fill it out correctly. What is the minimum amount you must have in order to open a new account? Try to put a small amount of money away in your account each month. \*\*\*\*

20. If you already have a bank account, make a real deposit or a pretend deposit. Fill out a deposit from at the bank. If you can, fill out a duplicate form and hand it in to your teacher. Also fill out a withdrawal slip to show that you know how to fill out that form. Include the slips in your final project. Discuss how the bank teller assisted you, and if you think he or she was a courteous employee of the bank. \*\*\*\*

21. Go to a travel agency or on line to find out how much a trip to a place you would like to travel would cost for you and your family. Include a brochure or online ad or make up a brochure of your own to advertise the place. Do you need airfare? What about accommodations and food? How much would your trip cost altogether? \*\*\*\*

24. Call the **airlines**, talk with a travel agent or go online. Find out how much it costs you to travel to a place you and your family would like to go. Compare the price with one other airline. Find out if each airline offers any special deals. What is the best deal you can find, and how much would it cost your family to make this trip? You could do the same thing traveling by bus or train or you could compare the price for all three. \*\*\*\*\*

25. If you're going on a **family car, plane or train trip**, use this as a math experience. Keep track of the cost of the gas, food, accommodations and any other costs that your family will incur. \*\*\*\*

23. Go to two **car agencies** and price the cost of a brand new car that your family would like to have. Include a brochure for each of the cars that you look at. List the special options that you would like on the car. Write a paragraph about your favorite car and what you like about it, or make a collage of cars that you would like to have. \*\*\*\*

22. If your school, church or social group is going on a special trip or outing, think of ways that you can help your family defer the cost. Make a list of the things that you could do to earn money so you can attend. Do some of the things on the list and record how much money you earn. Ideas might include selling cookies, flowers, mowing lawns, pulling weeds, etc. \*\*\*

27. If your parents are willing to share the information with you, find out how much your monthly **water bill** is. See how many gallons of water you actually used during the billing period. How often is your family billed? Write it down. Divide it by the number of days of use, and find out how much an average day of water usage is for your household. Find out how much difference there is between the amounts of water you used this year compared with last year in the same time frame. Make a list of things you can do to conserve water. \*\*\*

26. If your parents are willing to share the information with you, find out how much money your monthly **gas and electric bill** is. Look over the bill and find out if you pay more for the gas or more for the electricity. If all your bills were equal what would the cost of your bill be for an entire year? Divide the bill by the number of days in the month, and find the average cost for use each day. You may want to compare your consumption last year with what you used this year. \*\*\*\*

33. Go to two **open houses** in the same area of San Diego. Obtain a sheet that shows how much each house costs and how much the monthly payments would be. Highlight those amounts. Which house would be the best buy? Divide the cost of the house by the square footage of the house to find out how much the house costs per square foot. For instance if the house costs \$500,000, you would divide that by the square footage of 2500 sq feet  
( $500,000 \div 2500 = \$200$  per square foot.) \*\*\*\*

28. If your parents are willing to share the information with you, find out how much the basic service is for your **telephone** per month. Also find out the amount you pay for long distance calls and special services. Divide those amounts by the number of days in the month and find out how much your average phone bill is per day. If you have a cell phone in your family, compare that to your home phone \*\*\*\*

29. Go to a store like Target, Wal-Mart, and Kmart or go online and treat yourself to a **shopping spree**. Select five items you would like to buy. (You do not really need to buy anything.) List the items you have selected, how much they cost, and figure out how much sales tax you would have to pay on the total. You may want to combine this activity with the check writing activity and actually write out a sample check. You may want to select presents for other members of you family for birthdays. \*\*\*\*



30. Predict how much you think your **clothes** will cost you for the entire school year based on what your family spent on clothes for the start of your school year. Show your results. If you wear uniforms, take a look at how much they cost for the entire year.

\*\*\*\*

31. Go to a **fabric** store. Choose something to make from a pattern catalog such as an apron, T-shirt, curtains or shorts. Figure out how much fabric you will need and how much it will cost. Don't forget to get any accessories you might need (zippers, buttons, hooks and eyes, etc). If you can, actually make the item. Compare the price of the item with one you can find in the store. Show the price of each of the items, how much fabric you got and its cost, and how much the sales tax was. \*\*\*\*\*

32. Pretend that you have \$10,000 to invest in the **stock market**. Choose five to ten stocks that you might be interested in acquiring some day. Research how the value of these stocks fluctuates for three weeks. Show your results. \*\*\*\*\*

34. Go to the **public library**. Ask about its rates for overdue books for both children and adults. Figure out how much an adult would have to pay if the book was overdue for 5, 10, 15 and 20 days. Figure out the cost of a children's book for the same period of time. What would other items like tapes, CD's and videos cost? \*\*\*

35. Find out how much **minimum wage** is in the United States. Considering that an average adult works 40 hours a week, calculate how much a person making minimum wage would make in one week, in one month (4 weeks), and in one year (52 weeks). Remember, this does not really show the actual amount a person would take home because the government takes its share, but it is an approximation. \*\*\*

36. Find out how much money each of the major theme parks is in San Diego and California. Make a list to show the amount you would pay to get into each of the parks with no discounts- just the admission price. List the parks and the costs of admissions. After you have the correct prices, figure out how much admission to each of the parks would be for the entire family. You might want to include the parking price also. \*\*\*\*\*

37. Compare the price of a regular hamburger, a regular order of French fries, and a medium soda from three fast-food restaurants. List the restaurant and the cost of each. Figure out the price of these items for you and your family at each place. If you can find a coupon for one of the restaurants, compare the individual item price with the coupon price. How much do you actually save? Include the coupon and, if possible, a menu or advertisement from the restaurant. \*\*\*\*\*

38. If you were going to have a party at a fast food restaurant and eight of your friends were going to be invited, figure out what the menu would be and how much your party would cost. \*\*\*\*

39. Keep track of the scores of your favorite baseball team for ten games. List each of the games, who played, and what the score was. Figure out the average (mean) number of points the team actually scored during these ten games overall. Also identify the median score and the mode. You may need to review those math words in our class notes. \*\*\*\*

40. Go to several fast food restaurants or look online for a list of food items and the number of calories each has. Plan a meal for yourself staying between 500-700 calories. Do the same for another family member. Which food item has the most calories, and the fewest? What food choices do you think are healthy? Figure out how much each of the items you want would cost. \*\*\*\*

41. Obtain a schedule for the trolley and/or bus in San Diego. Tell how close to your home the pick-up point is and the exact place you can catch the ride. How much is the fare for each mode of transportation? Find out how far it is to the main part of San Diego. Also tell the time involved in making those trips. If you want to actually ride the trolley or bus, write a paragraph about the experience. Include a schedule if you can. \*\*\*\*

42. How much is the fare for a taxi in San Diego per mile? Is there a difference between taxi companies? If so, tell the difference in prices of three taxi companies. What other charges is a person responsible for if he/she uses a cab? Figure out how far it is from your house to Lindberg Field and how much it will cost for that ride. \*\*\*\*\*

43. Go to the post office (or look online) and find out the least expensive way to send a package to New York City from San Diego. What is the rate? Figure out how much packages weighing 2 pounds, 5 pounds, and 7.5 pounds would cost to send. Find out what the differences are in the service you will get. Write the information in paragraph form. If you would prefer to find out about another city where you have family or friends, change the location from New York to another city. \*\*\*\*

44. Find out how much an 18-hole round of golf would cost at two local San Diego golf courses. See which one is the better deal. Also compare the cost of using a golf cart at both courses. Find out the best time of day when the prices are the least expensive and figure out how much money it would cost for your entire family to spend the day golfing and using a golf car. You might also like to estimate the cost of clubs, shoes and gloves, \* \* \* \*

45. Research two bowling alleys. Find out which one has the better value for playing two lanes of bowling for each member of your birthday party group. Your party will consist of ten 11- and 12- year-olds. Remember that you also need to include the price of bowling shoes for each partygoer. Tell the name of the bowling alley, where it is located, and the charges you would acquire. \*\*\*\*

46. You are researching the best price for taking 5 of your friends to the movies for a party. Find the best price for three movie theaters close to your own house and the best time of day to go. Also include the price of one small box of popcorn and one small soda for each of your five friends, plus yourself. \*\*\*\*\*

47. For your birthday party you may take seven friends and yourself to the skating rink. Find out how much money it will cost the eight of you to go skating. Also include the price of one hot dog and one medium soda for each member of your party. You may want to compare the price of two skating rinks in order to get the best deal. Show your mathematical figures on paper. \*\*\*\*

48. Cut out coupons for your parents using the Sunday newspaper for two weeks. Keep them in a plastic bag or shoebox. Have your parents go through them with you and select the ones they will actually use. Keep a list of the name brand, item and amount of the coupon. How much money will you actually save on their grocery bill for that two-week period of time? If you saved that much every two weeks, how much would that be for a month? A year? \*\*\*\*

49. Find out the cost of season tickets for the next season for the Chargers, the Padres, the Aztecs or another local basketball, soccer, or hockey team. Compare the price of the most expensive seats and the least expensive seats for your own family. How much does parking cost at the stadium of this team? How much is that altogether for an evening at a sports event? \*\*\*\*

50. Figure out the cost of feeding your family for dinner at an event at Cox Arena, Tony Gwinn Stadium, Qualcomm Stadium, Petco Park, Sports Arena, Coors Arena, a high school stadium, or another local venue. Tell what venue you are attending. List each food item and its cost. Make sure you have the actual cost of the food items at this year's prices. \*\*\*\*

51. Find out how much it costs to rent a limo for four hours and for eight hours. What is the maximum number of people that it can take? If you had the maximum number of people in the limo, how much would it cost per person? Does your destination alter the cost? Include a paragraph telling what you would do if you took a limo ride for four hours. \*\*\*\*\*

52. Research the actual amount of sales tax you would pay in each of five states, including California: You will need to research how much sales tax is in each state, including your own state. Figure out the difference in price for items costing \$10; \$100; \$1000; and \$10,000 if you purchased the item in each of the five states. \*\*\*\*\*

53. Compare the cost of an oil change for your car at three different locations. Name each of the businesses you check out. If someone in your family changes his/her own oil, find out how much difference there is. \*\*\*\*

54. Find out the difference in cost of car insurance for a 16~year~old boy and a 16~year~old girl. Find out the difference between a good student discount and a student without good grades. You may want to check out several insurance companies. List the companies you check out and how much the insurance is for each person. \*\*\*\*\*

55. What is the cost of a fishing license in San Diego County for an adult for a day and for a year in both fresh water and in salt water? What is the age that a person needs to obtain a fishing license? Tell where you would fish and what kind of fishing you would do. \*\*\*\*

56. Make an investigation into your kitchen. Look for items that show measurements. List them. Write a paragraph telling how measurement is used in the kitchen and what it would be like if we didn't have measuring spoons and cups. \*\*\*

57. Measure your bedroom (length and width.) Find the perimeter and area of the room. Decide how many square feet of carpet you would need (area) and how much wallpaper border you would need to go around your room (perimeter.) You could also figure out how much paper you would need for wallpapering the whole room. Don't forget to exclude things like doors, closets, and windows. If you actually do any adjustments to your room, take pictures and share them. \*\*\*\*

58. Preview a book of recipes from the kitchen. Prepare a good item where measuring cups and spoons are used. Write your recipe on a note card. If you can, share the food item with your classmates and provide the recipe for each student. Make a list of ingredients you needed to prepare the food. You MUST arrange with Mrs. Kinseth when you can bring in your food. You get extra credit if the food item is healthy!! Remember, room 29 is a "No Sugar" classroom! 😊 \*\*\*\*

59. Find out how much it would cost to have the San Diego Union-Tribune newspaper delivered to your house for a month. Compare it with what you would pay if you purchased it daily at a newsstand for a week, month and year. \*\*\*

60. Find out how much season tickets are for a team that plays at the Sports Arena or for three other events that take place there during the year. Also find out how much it costs to park in the parking lot area. \*\*\*\*

61. How much is a season ticket for the Aztec football, baseball or basketball teams or for another local college for students and for a non-student? How many home games will there be? Divide the number of home games into the price of the season ticket. What is the average cost per game? \*\*\*\*

62. If you are a musician, tell how music is influenced by math. Talk with your music teacher about the time signature, metronome, and other mathematical terms. Write up your findings. \*\*\*

63. Interview a person who works in a job where mostly numbers are used. Get a detailed description of the job, why math is important to the job, what education the person needed, how much math the person had to take in school, and what the person likes or dislikes about the job. Before your interview, write up at least six to eight good questions that you might want to ask the person you interview. Be prepared before you do your interview. When you are complete, write a summary of the interview. \*\*\*\*

64. Find out the cost for season tickets for the ballet, opera and/or symphony for the most expensive and least expensive seats. Also find out how many performances there are of each and the name of each. Actually attend one of the performances, and write a paragraph describing the experience. Don't forget to share the program guide with your teacher and classmates. \*\*\*\*\*

65. Find out how much season tickets are for you and your family to attend performances at the San Diego Junior Theater or another San Diego youth theater group. Is there a difference between the adult price and child's price? What are the names of the performances and what dates will they be held? \*\*\*\*

66. Choose three of your favorite magazines. Fill out three subscription forms. What is the cost of each for a year? Either make a copy of the forms or hand in the forms for your teacher and classmates to see. \*\*\*

67. Ask your parent to show you the correct way to write out a check. If your parents have an extra check, write a pretend one and hand it in to your teacher. If you can't use a real check, copy one, or make up a check of your own to prove that you know how to write one correctly. Hand in at least three checks to different businesses and for different amounts. You might want to pair this activity up with a buying spree # 28. \*\*\*

68. Interview your parents. Ask them why they think math is important to them. Ask them to tell you how they use math everyday in their jobs, at home, and in their personal lives. Also ask them why they think you should do your best in math at school. Make a list of 5-7 reasons math is important to them. \* \* \*

69. Ask you parents to assist you in looking through the tools in your garage, basement or car/truck. Find out how the tools involve measurement. Look for the metric numbers. Write a paragraph telling how tools in your home are involved in math and what parts of math you need to know before you can use them effectively. \*\*\*

70. Think of something that you and a family member or other adult can build together like a doghouse, bird feeder, fence, planter box, cabinet or clock. Go to a store like Home Depot, Dixieline Lumber, or Lowe's and search for the materials that you might need for the project. Figure out how much material you would need to build it? How much would the materials cost? You might want to draw a diagram of what you plan to build and when it is all finished take pictures and share them with your classmates. Tell what you learned about math and working as a team member from this construction project. \*\*\*\*\*

71. Attend an auto-racing event in San Diego or in a nearby city. Keep track of the times of ten of your favorite cars. Figure out the average (mean) speed of your drivers. \*\*\*\*

72. Take 6- 8 photographs of math in your world. Write captions underneath each photo to show its math importance. \*\*\*\*

73. Compare the values of money from 8-10 different countries. Tell what it is called, from what country it comes from and how much it is worth in U.S. dollars. Share the information with your class. If you have samples of any of these currencies, bring them to share also. \*\*\*\*\*

74. Predict what you think the average temperature (highs and lows) will be in San Diego. Look through the weather section of the newspaper or online for ten days. Compare the high and low temperatures of your city in graph form. \*\*\*\*

75. Follow the highest temperatures and the lowest temperatures in the United States for ten days. Locate those cities on a map. \*\*\*\*

76. Study the time zones in the United States. Choose ten major cities across the United States and tell what time it is compared to your city. \*\*\*\*

77. Look at the scale at the bottom of a map of the United States. Using a ruler and the scale, figure out approximately how many miles it is from your city to ten other US cities. If possible, find the exact number of miles it is from your city to the other cities. How close were you to your measurements? What may have caused the difference? \*\*\*\*

78. Make a comparison chart of the metric system and the U.S system of measurement. How are they similar? What things are different? What countries use our system? Name other countries that use metric measurement. Choose ten items to measure in both systems. \*\*\*\*

79. You are looking for the best price on your favorite CD's. List the five CD's you want to purchase. Compare the price of these CD's at three different music stores. Show your comparison in chart form. \*\*\*\*

80. Find out how much it costs to camp overnight for your family at one of our county or state parks. Also, how much does it cost at a local, tourist-type hotel in your city? Figure out the difference for a week of vacation at both places. \*\*\*\*\*

81. Make up your own activity. Bring it to me for approval before you get started. You may only use this option twice this year. \*\*\*\*\*