

**CALCULATOR RIDDLES
FOR GRADES 6-8**



To the teacher:

It is hoped that these riddles will be a catalyst to your class in developing more riddles that encourage problem solving and the accurate and appropriate use of calculators by your students. As you and your classes create more riddles you can send them to the mathematics staff at DPI and we will be happy to add them to these files and make them available to other students. Enjoy!

Note: To find the answer to each riddle, solve the problem with a calculator. When you turn the calculator upside down, you will have the answer to the riddle.

8 = B, 7 = L, 6 = g, 3 = E, 5 = S, 0 = O, 1 = I and 4 = h

1. Mary wants to go into show _____. She needs a loan of \$2180 but she has to pay 10% interest for 2 years. What is the interest for one year?
2. What do you call Ben in England? Find the product of 9 and 2. Add this to the cube of 10. Subtract 10 squared.
3. Barry had an interesting _____ collection with 300 items. He increased it by 10%. His friend found 8 more and gave them to him. Find the total in Barry's collection now.
4. Some people in town wanted to get away from the _____ of the summer heat. Two hundred ninety-seven thousand, seven hundred seventy-two of them went swimming. If this is 80% of the people, how many people are in town?
5. In one week 207,092 people left Europe for _____ Island. If 25% of them came from Italy, how many came from Italy?
6. Ellie made \$3.50 an hour for 10,002 hours. She put this money into the bank. Ellie proved that she wasn't _____ with her money. Find the total she put in the bank.
7. Paul Simon delighted a huge gathering in Central Park. The Parks Department set up 610 rows of 610 seats. In addition 20% of the Parks Department's 575 employees were in attendance. The music was so hot that the morning newspaper described the event as a _____ in Central Park. How many people attended the concert?
8. Joe had a 550 acre ranch and _____ had a 120 acre ranch. When the size of each ranch is squared and 818 is added to this sum, you will be able to identify Joe's friend.
9. Christopher Columbus traveled around the _____. He had 29,650 kg of meat on board his ship and 8,429 kg of fruit for the journey. To find out where Christopher Columbus traveled, calculate the number of kilograms of food on board his ship.
10. There were 72,696 people at the Weight Watcher's Meeting. After the first month, one half of the participants had reached their weight loss goal. If at the end of the second month, another 968 people reached their goals, how many _____ people were left?
11. I love to hear bacon _____. To find the answer, multiply the square of 5 times three. Then add the sum of 75 and 293. Next add the product of 9250 and 8. Find the total thus far and multiply it by 5.
12. I know I need help cooking when I need directions to _____ water. To find the answer, multiply the square of 8 by the square of 9. Divide the product by 3. Multiply this amount by 4 and then add 196.
13. We live on the beach. This past summer 67,240 children came to the beach to find us. Seven thousand three hundred forty-five children painted us on their shirts and 2760 children used us for a school project. Half a million children read books about us. To find out who we are, find the sum of the children in this story.

14. Stephen and John went on a shopping spree with a credit card. Including an 8% sales tax they charged \$ 3472.20. The cost of the items without the tax showed that they were the same _____.
15. My secretary says she can't type my report, because my handwriting is not_____. To find out why not, find the product of 10^6 and 3. Then add the double of 390,968.5.
16. I saw a pair of shoes which cost the square of 7 added to 2% of 7, but the heels were too _____. To learn more about the heels, find the cost of the shoes.
17. The sneaker said to the floor. "I have _____." To find out, compute the following. Key in 300. Add the product of 9 squared and 2. Double your answer. Divide your result by 30%. Now add the value of 5^4 .
18. Ben & Jerry's™ just finished a record breaking week of selling ice cream. Find the total number of gallons sold to answer the following riddle: To figure out how much a pelican costs, just look at his_____.

- i. Cherry Garcia™ sold 204 gallons
- ii. Chunky Monkey™ sold 1040 gallons
- iii. New York Super Fudge Chunk™ sold 150% of Chunky Monkey™
- iv. Vanilla Rain Forest Crunch™ sold 75% of New York Super Fudge Chunk™
- v. Chocolate Chip Cookie Dough™ sold 250% of Vanilla Rainforest Crunch™
- vi. Mint Oreo Cookie™ sold 28% of Chocolate Chip Cookie Dough™