

A list of math riddles that will help sharpen your brain. Riddles range from easy to hard, making this a perfect resource for kids and adults alike.

1. How many 9's are there between 1 and 100?
2. If you were to take two apples from three apples, how many would you have?
3. If two hours ago, it was as long after one o'clock in the afternoon as it was before one o'clock in the morning, what time would it be now?
4. Divide 20 by half and add 30, what do you get?
5. What 3 positive numbers give the same result when multiplied and added together?
6. What can be right but never wrong?
7. How can you add eight 8's to get the number 1000?
8. Double my number, I'm less than a score.
Half of my number is less than four.
Add one to my double when bakers are near.
Days of the week are still greater, I fear.
9. Sally is 54 years old and her mother is 80, how many years ago was Sally's mother three times her age?
10. In two years I know, I'll be twice as old as five years ago, said Tom.
How old is Tom?
11. You can read it both ways, I wear; One way it's a number, reversed a snare.
12. It's always above the negatives
Yet it's lower than the first prime
no matter how you multiply
it's the same every time.
13. What is the value of $\frac{1}{2}$ of $\frac{2}{3}$ of $\frac{3}{4}$ of $\frac{4}{5}$ of $\frac{5}{6}$ of $\frac{6}{7}$ of $\frac{7}{8}$ of $\frac{8}{9}$ of $\frac{9}{10}$ of 1000?



14. In 1990, a person is 15 years old. In 1995, that same person is 10 years old. How can this be?
15. Mr. Smith has 4 daughters. Each of his daughters has a brother. How many children does Mr. Smith have?
16. $123=0$
 $4235=0$
 $656=2$
 $5390=2$
 $8890=6$
 $1001=2$
 $19235=1$
 What is 123456789?
17. Two in a whole and four in a pair. Six in a trio you see. Eight's a quartet but what you must get is the name that fits just one of me. What am I?
18. If two is a company and three is a crowd, what are four and five?
19. How do you go from 98 to 720 using just one letter?
20. Why is 6 afraid of 7?
21. My head and tail both equal are, my middle slender as a bee. Whether I stand on head or heel is quite the same to you or me. But if my head should be cut off, the matter's true, though passing strange directly I to nothing change.
22. In a lake, there is a patch of lily pads. Every day, the patch doubles in size. If it takes 48 days for the patch to cover the entire lake, how long would it take for the patch to cover half the lake?
23. There are 25 red balls, 47 green balls and 3 blue balls in a basket. There is a blind man. What is the minimum number of balls that the blind man has to pick to make sure that there are at least 2 balls of different colors?
24. Two is one, four is two, and six is three. Don't you see? What am I?



25. I am a delicious way of representing data. What am I?
26. When is 1500 plus 20 and 1600 minus 40 the same thing?
27. How can you give someone \$83 using exactly 7 bills, without using any one dollar bills?
28. A bat and a ball cost \$1.10. The bat costs one dollar more than the ball. How much does the ball cost?
29. You have 14 brown socks, 14 blue socks and 14 black socks in your sock drawer. How many socks must you remove (without looking to be sure) to have a matched pair?
30. A farmer has 17 sheep and all but 9 run away. How many are left?
31. What did one math book say to another?
32. What do mathematics teachers like to eat?
33. There is a three digit number. The second digit is four times as big as the third digit, while the first digit is three less than the second digit. What is the number?
34. I am an odd number. Take away one letter and I become even. What number am I?
35. Where can you add 2 to 11 and get 1?
36. Dean Sam and Castiel are three brothers. Interestingly their current age is prime. What's more interesting that difference between their ages is also prime. How old are they?
37. There are 12 kids in a classroom. 6 kids are wearing socks and 4 are wearing shoes. 3 kids are wearing both. How many are bare feet?
38. The combined age of Jack and John is 49. Jack is twice as old, as John was when Jack was as old as John is now. How old are the brothers?
39. Four years ago, Alex was twice as old as Jake. Four years from now, Jake will be $\frac{3}{4}$ of Alex's age. How old is Alex?



40. What is half of two plus two?
41. If Mr. Flynn is 90 centimeters plus half his height, how tall is he?
42. Three times what number is no larger than two times that same number?
43. What number do you get when you multiply all of the numbers on a telephone's number pad?
44. There are two fathers and two sons. They walk into a candy store and each buys a candy bar for 50 cents. The total for all of the candy bars was \$1.50. How is that possible?
45. How many days are there in 4 years?
46. Mom and dad have four daughters, and each daughter has one brother. How many people are in the family?
47. Use the numbers 2, 3, 4 and 5 and the symbols + and = to make a true equation.
48. One brick is one kilogram and half a brick heavy. What is the weight of one brick?
49. Place three matches on a table. Tell a friend to add two more matches to make eight.
50. If it is two hours later, then it will take half as much time till it's midnight as it would be if it were an hour later. What time is it?
51. If you toss a coin 10 times and it lands heads up every time, what are the chances it will land heads up if you toss it again?
52. Turn me on my side and I am everything. Cut me in half and I am nothing. What am I?
53. My daughter has many sisters. She has as many sisters as she has brothers. Each of her brothers has twice as many sisters as brothers. How many sons and daughters do I have?



54. There are 500 coffins and 500 men who need them. The undertaker asks the first man to go to every coffin and open them. Then he tells the second man to go to every one and close it. The third one goes to every third coffin and so on. How many are open?
55. An apple is 40 cents, a banana is 60 cents and a grapefruit is 80 cents. How much is a pear?
56. In a bicycle race, the man who came two places in front of the last man finished one ahead of the man who came fifth. How many contestants were there?
57. When my father was 31 I was 8. Now he is twice as old as me. How old am I?
58. If you go to the movies and you're paying, is it cheaper to take one friend to the movies twice, or two friends to the movies at the same time?
59. If there are three cups of sugar and you take one away, how many do you have?
60. If you're 8 feet away from a door and with each move you advance half the distance to the door. How many moves will it take to reach the door?
61. When I take five and add six, I get eleven, but when I take six and add seven, I get one. What am I?
62. Add me to myself and multiply by 4. Divide me by 8 and you will have me once more. What number am I?
63. I am a number with a couple of friends, quarter a dozen, and you'll find me again. What am I?
64. I'm not the sort that's eaten, I'm not the sort you bake,
Don't put me in an oven; I don't taste that great,
But when applied correctly, around me you will find,
Problems are so simple when my digits come to mind.
65. What odd number becomes even when beheaded?



66. Joe has ten coins totaling \$1.19. From these coins, he cannot make exact change for a dollar, half-dollar, quarter, dime, or nickel. What are the coins?
67. I am four times as old as my daughter. In 20 years time I shall be twice as old as her. How old are we now?

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Answers

1. 20
2. 2
3. Nine.
4. 70. $20 \text{ divided by } 1/2 + 30 = 70$.
5. 1, 2 and 3.
6. Right angle.
7. $888 + 88 + 8 + 8 + 8 = 1000$.
8. Six.
9. Forty-one.
10. 12
11. Ten.
12. Zero.
13. 100
14. The person was born in 2005 B.C. (Before Christ). Therefore, he was 5 years old in 2000 B.C, 10 in 1995 B.C, and 15 in 1990 B.C.
15. Five.
16. 4 - You need to count the number of closed circles.
17. Half.
18. Nine.
19. Add an "x" between "ninety" and "eight".
Ninety x Eight = 720.
20. Because 7 ate 9 (7, 8, 9).
21. Eight.
22. The patch doubles in size every day and so on the 47th day the patch will be half the size it is on the 48th day.
23. 48 balls. There is a small chance he may pick up 47 green balls in a row.
24. Half.
25. A pie chart.
26. Military time.
27. Give them 1 fifty dollar bill, 1 twenty dollar bill, 1 five dollar bill and 4 two dollar bills.
28. The ball costs 5c. Not 10c. One dollar more than 10c is \$1.10, $\$1.10 + 10c$ is \$1.20 One dollar more than 5c is \$1.05. The sum of which is \$1.10.
29. Four.
30. Nine.
31. I have so many problems.
32. Pi.
33. 141
34. Seven.
35. Clock.
36. Sam: 2; Dean: 5; Castiel: 7. Age diff $7 - 2 = '5'$ is prime; $7 - 5 = '2'$ is prime; $5 - 2 = '3'$ is prime.
37. 5 kids have barefeet.
38. Jack is 28 and John is 21.
39. 12
40. Three.
41. 180 centimeters.
42. The number 0.
43. Zero. Anything multiplied by 0 will equal 0.
44. There was a grandfather, a father and a son.
45. $(365 \times 4) + 1 = 1461$. Because one of the years is a leap year.

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46. Seven.
47. $2 + 5 = 3 + 4$.
48. One brick weighs 2 kilograms.
49. Add two matches to make a roman numeral eight.
50. Nine.
51. There is a 50/50 chance of each toss being either heads or tails. The previous toss does not impact the next toss.
52. The number 8.
53. Four daughters and three sons. Each daughter has 3 sisters and 3 brothers, and each brother has 2 brothers and 4 sisters.
54. 22
55. 40 cents. The price of each fruit is calculated by multiplying the number of vowels by 20c.
56. There were 6 contestants. The man came in 4th place.
57. I must be 23 if my father is twice as old as me.
58. It's cheaper to take two friends at the same time. In this case, you would only be buying three tickets, whereas if you take the same friend twice you are buying four tickets.
59. One.
60. You will never reach the door, it will always be half the distance, no matter how small!
61. A clock.
62. Any number.
63. Three.
64. Pi.
65. Seven.
66. A half-dollar, a quarter, four dimes, and four pennies.
67. I am 40 and my daughter is 10.

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