

Quick-to-Solve Brainteasers (J. J. Mendoza Fernández)

Numbers

7. Find the two-digit number that equals two times the result of multiplying its digits.
8. Find three whole, positive numbers that have the same answer when multiplied together as when added together.

Comparing numbers

11. The ages of a father and a son add up to 55. The father's age is the son's age reversed. How old are they?

Other numbers

17. What must you do to make the equation below true?

$$81 \times 9 = 801$$

18. There are 100 buildings along a street. A sign maker is ordered to number the buildings from 1 to 100. How many "9's" will he need?

Measuring

38. A spider spins its web in a window frame. Each day, it spins an area equal to that of the amount already completed. It takes 30 days to cover the entire window frame. How long would two spiders take? (In the case of two spiders, each of them spins an amount equal to the area of the existing part of the web made by that particular spider.)

Clocks

70. A clock gains half a minute every day. Another clock doesn't work. Which one will show the correct time more often?
73. If a clock takes two seconds to strike 2, how long will it take to strike 3?

Family ties

107. A friend of mine was looking at a photo when he said, "Brother and sisters? I have none. But this man's son is my father's son." Who was in the photo?

Intelligence and skills

199. How could you throw a tennis ball so that after travelling a short distance, it stops and returns following the same path? The ball cannot hit or be tied to anything.
200. A brick measuring 5 centimeters high, 20 centimeters long, and 10 centimeters wide falls off a dike causing a leak that must be stopped immediately. How can you stop the leak with a saw and a wooden cylinder measuring 5 centimeters a diameter?