

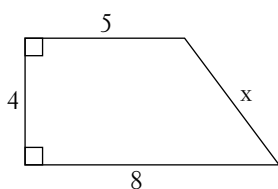
MIND GAMES

This test, developed by Dr. Gary R. Gruber, author of more than 30

test-prep books (www.drgarygruber.com), is designed to predict intelligence. Just remember: Creative people look outside the realm of normal thinking to solve problems.

There is no time limit for these questions. (Remember: If problem-solving time > flight time, take the magazine with you!)

- A doctor's son's father was not a doctor. How is this possible?
- What's wrong with the advertisement that states "Shop early and avoid the crowds"?
- You are competing in a race and overtake the runner in second place. In which position are you now?
 - first
 - second
 - third
 - fourth
 - cannot be determined
- Bonnie's father has five daughters. Four are named Chacha, Cheche, Chichi, and Chocho. What is the fifth daughter's name?
 - Chuchu
 - Chochu
 - Chuchy
 - Chochoy
 - none of these
- Complete the analogy: HELMET : HEAD ::
 - sword : warrior
 - umbrella : clothing
 - shoe : sock
 - watch : wrist
 - thimble : finger
- Suppose a four-digit number is an exact multiple of 9 and three of the four digits are 1, 2, and 3. What is the fourth digit?
- A knight wants to marry a princess and she wants to marry him. However, the king demands that the knight draw one of two slips of paper from a box. The king says one will say "Death" and the other "Marriage." The princess whispers to her suitor that both slips say "Death." What could the knight do to wed the princess?
- There are four people in a line. Sarah is between Barry and Mary. Mary is in front of two people and John is directly in front of Mary. Who is first in line, second, third, and fourth?
- Which has a greater surface area, one-half the surface area of a ball with a radius of 3 inches or the area of a circle with a radius of 3 inches?
- In the following subtraction problem, each letter uniquely represents one digit from 0 to 9. Find the values of A, B, and C.

$$\begin{array}{r} A B A \\ - C A \\ \hline A B \end{array}$$
- Find the next letter in the series: y z v w s t p q
 - l
 - m
 - n
 - o
 - p
- What is the value of x in the diagram below?
 
- If A is 250 percent of B, B is what percent of A?
 - 1/250 percent
 - 25 percent
 - 40 percent
 - 50 percent
 - 125 percent

Answers 1. The doctor is the son's mother. 2. If many people paid attention to the ad, the store would be crowded in the early hours. 3. b) You overtook the second runner and took his place. Therefore, you are now in second. 4. e) The fifth sister is Bonnie herself. 5. e) Create a sentence expressing a specific relationship between the capitalized words. 6. If a number is an exact multiple of 9, the sum of the digits of that number is also a multiple of 9. So $1 + 2 + 3 + x = 9$ (or a multiple of 9) and $x = 3$. 7. The knight could tear up the paper he picks and offer the other one to the king. He then would tell the king that since the untorn paper says "Death," the one he picked must have said "Marriage." 8. From first to last: John, Mary, Sarah, Barry. 9. One-half the surface area of the ball is greater. Blow up the circle like a balloon to get the ball. 10. Write a three-digit number with *h* hundreds digit, *t* tens digit, and *u* units digit as $100h + 10t + u$. You will find that $A = 1$, $B = 0$, and $C = 9$. 11. b) Letters are arranged in pairs backwards skipping every third letter: *m n (o) p q (r) s t (u) v w (x) y z*. 12. 5. Draw a line to make a rectangle in the figure and you will also have a 3-4-5 triangle. 13. c) Translate words to math.

Score 1 right=IQ of 100-110, average; 2-4=120, above average; 5-6=130, very smart; 7-9=140, very very smart to near genius; 10-11=150, near genius; 12=160, genius; 13=170+, genius plus. To contact Dr. Gruber or for further information, visit the Web site www.drgarygruber.com.