By **Gary R. Gruber**

quick**quiz**

Brain Teasers

This 10-question challenge, developed by Gary R. Gruber, the author of more than 30 test-prep books (drgarygruber.com), is designed to test your problem-solving skills. There is no time limit for questions 2–10. Just remember: Creative people look outside the realm of normal thinking to solve problems.

1. In 10 seconds or less (with or without the use of a calculator), find the value of the following:
2/3 x 3/4 x 4/5 x 5/6 x 6/7

2. Find the next letter in the sequence: **a, b, d, g, k, p**
(A) **q**   (B) **s**   (C) **t**   (D) **u**   (E) **v**

3. What can we infer from the following statements?
Every child Sam knows likes ice cream, and every adult Sam knows likes chocolate.
Mike likes ice cream and Sandra likes chocolate.
(A) Mike cannot be an adult.
(B) Sandra cannot be a child.
(C) If Sam knows Sandra and Mike, Sandra must be an adult and Mike must be a child.
(D) If Sam knows Mike but not Sandra, Mike must be a child.
(E) None of the above.

4. What word becomes smaller when you add letters?

5. Suppose a car goes uphill one mile then immediately goes downhill the same distance, and suppose the car's average rate for the whole trip is 20 miles per hour. What is the total time in minutes spent going uphill and downhill?
(A) 6   (B) 8   (C) 10   (D) cannot be determined unless the time going downhill is given
(E) cannot be determined unless the speed going uphill is given

6. If a doctor gives you three pills and tells you to take one every half-hour, how many minutes will the pills last?

7. One of the numbers between **3,000** and **4,000** with digits increasing from left to right is **3,457**. How many different numbers are there between **4,000** and **5,000** where the digits increase from left to right?

8. Find the next number in the sequence: **125, 64, 27, 8**
(A) **1**   (B) **2**   (C) **3**   (D) **4**   (E) **5**

9. Fill in the blanks to complete the sentence.
While a television course is not able to ____ a live course, it is still able to teach the ____ aspects of the subject.
(A) develop / necessary
(B) replace / important
(C) manage / relevant
(D) create / negative
(E) anticipate / inconsequential

10. Complete the following analogy:
Vaccination is to **disease** as
(A) **aspirin** is to **headache**
(B) **studying** is to **learning**
(C) **physician** is to **patient**
(D) **trial** is to **judgment**
(E) **freezing** is to **spoilage**

For detailed solutions to these problems and for additional questions, visit hemispheresmagazine.com and click Quick Quiz.

ANSWERS: 1. 2/7 **2.** (E) **3.** (E) **4.** the word *small* (adding *er*) or the word *meter* (adding *milli*) **5.** (A) **6.** 60 minutes **7.** 10 **8.** (A) **9.** (B) **10.** (E)