

# quickquiz



NOV

## Brain Teasers

This 11-question challenge, developed by Gary R. Gruber, the author of more than 30 test-prep books ([drgarygruber.com](http://drgarygruber.com)), is designed to test your problem-solving skills. There is no time limit for questions 2–11. Just remember: Creative people look outside the realm of normal thinking to solve problems.

- Solve the following in 10 seconds without a calculator and without multiplying  $35 \times 65$  and  $34 \times 66$ : Which is greater— $35 \times 65$  or  $34 \times 66$ ?
- Think of a two-digit number. Add the digits. Subtract the result from the original number. Which one or ones of the following numbers could not be your final result?  
(A) 32 (B) 33 (C) 34 (D) 35 (E) 36
- Name three words that end in “dous.”
- The letters **meanyrg** can be arranged to spell the name of:  
(A) an animal (B) a state (C) an ocean (D) a country
- Three messages received from outer space were translated.  

message:	translation:
i. <b>avion balcon sondor</b>	“serious spaceship fumes”
ii. <b>mayar pulgar avion</b>	“serious atmosphere particles”
iii. <b>balcon roctos vivand</b>	“dangerous liquid fumes”

 What does the word **sondor** mean? (A) liquid (B) fumes (C) atmosphere (D) spaceship (E) particles
- If everyone working at a car wash works at the same speed and eight people can wash **50 cars** in **60 hours**, then four people can wash **100 cars** in how many hours?  
(A) 30 (B) 60 (C) 120 (D) 240 (E) 360
- If some **Blips** are **Plips** and some **Plips** are **Glips**, then some **Blips** are certainly **Glips**.  
(A) is true (B) is false (C) can be true or false
- Matt is the 50th fastest and the 50th slowest runner in his school. Assuming no two runners are the same speed, how many runners are in Matt’s school?  
(A) 50 (B) 51 (C) 99 (D) 100 (E) 101
- Given that **Peter** is taller than **Nancy** and **Dan** is shorter than **Peter**, which of the following can be proved true:  
(A) Dan is taller than Nancy.  
(B) Dan is shorter than Nancy.  
(C) Dan is as tall as Nancy.  
(D) None of the above.
- Together, Harry and Sam caught 24 fish. Harry caught three times as many fish as Sam. How many fish did Harry catch?  
(A) 12 (B) 14 (C) 16 (D) 18 (E) 20
- Two runners start at the same point facing in opposite directions. Each runner then runs in a straight line for three miles, takes a right turn, runs in a straight line for another four miles, and stops. What is the distance in miles between the two runners?  
(A) 5 (B) 8 (C) 10 (D) 12 (E) 14

ANSWERS: 1.  $35 \times 65$  is greater. 2. (A), (B), (C), and (D) could not be a final result. 3. stupendous, tremendous, horrendous. 4. (D) a country 5. (D) spaceship 6. (D) 240 7. (C) can be true or false 8. (C) 99 9. (D) None of the above. 10. (D) 18 11. (C) 10 For detailed solutions to these problems and for additional questions, visit [hemispheresmagazine.com](http://hemispheresmagazine.com) and click Quick Quiz.