2005 Q1

1. Connie multiplies a number by 2 and gets 60 as her answer. However, she should have divided the number by 2 to get the correct answer. What is the correct answer?

(A) 7.5   (B) 15   (C) 30   (D) 120   (E) 240

1997 Q2

2. Ahn chooses a two-digit number, subtracts it from 200, and doubles the result. What is the largest number Ahn can get?

(A) 200   (B) 202   (C) 220   (D) 380   (E) 398

2001 Q2

2. I'm thinking of two whole numbers. Their product is 24 and their sum is 11. What is the larger number?

(A) 3   (B) 4   (C) 6   (D) 8   (E) 12

1996 Q2

2. José, Thuy, and Kareem each start with the number 10. José subtracts 1 from the number 10, doubles his answer, and then adds 2. Thuy doubles the number 10, subtracts 1 from her answer, and then adds 2. Kareem subtracts 1 from the number 10, adds 2 to his answer, and then doubles the result. Who gets the largest final answer?

(A) José   (B) Thuy   (C) Kareem

(D) José and Thuy   (E) Thuy and Kareem

2. If $\dfrac{a\,|\,b}{c\,|\,d} = a \cdot d - b \cdot c$, what is the value of $\dfrac{3\,|\,4}{1\,|\,2}$?

(A) -2 (B) -1 (C) 0 (D) 1 (E) 2

1998 Q2

1995 Q4

4. A teacher tells the class,

"Think of a number, add 1 to it, and double the result. Give the answer to your partner. Partner, subtract 1 from the number you are given and double the result to get your answer."

Ben thinks of 6, and gives his answer to Sue. What should Sue's answer be?

(A) 18   (B) 24   (C) 26   (D) 27   (E) 30

2003 Q4

4. A group of children riding on bicycles and tricycles rode past Billy Bob's house. Billy Bob counted 7 children and 19 wheels. How many tricycles were there?

(A) 2   (B) 4   (C) 5   (D) 6   (E) 7

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