



## Problem of the Week

### Problem E

### E Z Does It Again

E Z Dealer has a deck consisting of 100 cards numbered from 1 to 100. Each card has the same number printed on both sides. One side of the card is yellow and the other side of the card is red.

E Z places all the cards, red side up, on the table. He first turns over every card that has a number which is a multiple of 2. He then examines all the cards, and turns over every card that has a number which is a multiple of 3. He again examines all the cards, and turns over every card that has a number which is a multiple of 4. Finally, he examines all the cards and turns over every card that has a number which is a multiple of 5.

After E Z has finished, how many cards have the red side facing up?

