# Problem of the Week
## Problem C
## Thinking About Products

Three cards are lined up on a table. Each card has a letter printed on one side and a positive number printed on the other side. One card has an R printed on it, one card has a G printed on it, and one card has a B printed on it. The number side of each card is facedown on the table. The following is known about the three concealed numbers:

(i) the product of the number on the card with an R and the number on the card with a G equals the number on the card with a B;

(ii) the product of the number on the card with a G and the number on the card with a B is 180; and

(iii) five times the number on the card with a B equals the number on the card with a G.

Determine the product of the numbers on the three cards.

**R G B**