Commentary
Earth, XVI

1. **(4 dimes and 4 nickels)** Students might just start by *guess and check*. Or they might realize that 1 dime and 1 nickel is 15¢, then double that and get 2 dimes and 2 nickels at 30¢, double that and have 4 dimes and 4 nickels at 60¢.

2. **(26)** Subtract the 21 pigs who did not finish the race from the total number of pigs, 47, to find out how many pigs did not finish the race.

3. **(B)** Domino D is eliminated by the first clue, C by the second clue, and A by the third. Therefore by *process of elimination*, B is the only one that fits all the clues. Students should begin looking at such problems in the future as being solved by *process of elimination*.

4. **(30)** The bottom layer of the steps is 4 cubes by 3 cubes or 12 cubes. The layer next to the bottom is 3 cubes by 3 cubes or 9 cubes. The layer next to the top is 2 cubes by 3 cubes or 6 cubes. The top layer is 3 cubes. $3 + 6 + 9 + 12 = 30$. Students might be encouraged to actually build such a set of steps using Unifix cubes or sugar cubes.

5. **(Rose, Sue, George)** The first clock shows 4:30 which is a reasonable time for soccer practice, where Rose was headed. The second clock shows 3:00 which is time school might get out, as Sue mentions. The third clock has 8:00, which is a reasonable time for school to begin.

6. **(9)** Drawing a diagram will help solve this problem. A drawing such as the one below will help. Notice that the drawing doesn't try to show a dog itself, but rather has the thought processes represented.