

## Mathematics, Grade 6

- 21 If a whole number is divisible by 2, 3, 4, and 5, then it **must** be divisible by which number?
- A. 60
  - B. 8
  - C. 7
  - D. 14

*Reporting Category for Item 21: **Number Sense and Operations** (p. 253)*

## Mathematics, Grade 6

- 22 Talia is thinking of a number. If she adds 6 to the number and divides the resulting number by 3, she will get 7. What is the original number?
- A. 15
  - B. 3
  - C. 10
  - D. 16

*Reporting Category for Item 22: Patterns, Relations, and Algebra (p. 254)*

Session 2, Open-Response Question

- 23 Daniel has invented a new game with its own money system. The money system has the following three coins:



To challenge his friends to find the relationship among the values of the coins, he gave them the following three clues:

Clue 1:  $\square\square\square\square$  is the same as  $\triangle\square\square$ .

Clue 2:  $\triangle\triangle\triangle\triangle$  is the same as  $\circ\square\square$ .

- Use Clue 1 to find how many rectangles are worth the same as 1 triangle. Use words or pictures to explain your reasoning.
- Use Clues 1 and 2 to find how many triangles are worth the same as 1 circle. Use words or pictures to explain your reasoning.
- If 1 rectangle is worth 15 cents in U.S. money, what is the value in U.S. money of the other two coins? Explain how you found your answer.

Reporting Category for Item 23: *Patterns, Relations, and Algebra* (p. 254)

