• Analysis •

1. Correct Answer: \(136 + 297 = 433\)
   - Students working in Gamma should be able to add three-digit numbers. They should also be able to describe the process of regrouping.
   - **SKILL:** Solve a three-digit addition problem that requires regrouping.

2. Correct Answer: \(17 + 36 + 44 = 97\)
   - Students should be able to perform column addition.
   - **SKILL:** Solve column addition with up to three addends.

3. Correct Answer: \(12 < 15\) or \(15 > 12\)
   - Students should be able to use inequality symbols to indicate greater or lesser numbers.
   - **SKILL:** Use inequality symbols to indicate greater or lesser numbers.

4. Possible Correct Answers: \(34 - 16 = 18\) or \(34 + 16 = 34\)
   - The student should have written a number sentence to represent the word problem. Most students will represent the question with a subtraction equation, but it could also be represented as an addition problem.
   - **SKILL:** Write a number sentence to represent a word problem and solve.

5. Correct Answer: \(400 - 131 = 269\)
   - Students working in Gamma should be able to subtract three-digit numbers. They should also be able to describe the process of regrouping.
   - **SKILL:** Solve a three-digit subtraction problem that requires regrouping.

6. Correct Answer: \(2,105\)
   - The student should be able to write numbers accurately up to 9,999. An understanding of place-value enables students to place the zero in large numbers correctly.
   - **SKILL:** Write a four-digit number accurately.

7. Correct Answer: \(9,036\)
   - The student should be able to write numbers accurately up to 9,999. An understanding of place-value enables students to place the zero in large numbers correctly.
   - **SKILL:** Write a four-digit number accurately.

8. Correct Answer: \(10, 20, 30, 40, 50, 60, 70, 80, 90, 100\)
   - Counting by tens demonstrates understanding of place value and patterns in numbers.
   - **SKILL:** Count by 10s to 100.

9. Correct Answer: \(5, 10, 15, 20, 25, 30, 35, 40, 45, 50\)
   - Students should be able to count confidently by 5s to 50.
   - **SKILL:** Count by 5s to 50.
10. Correct Answer: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20

- Students should be able to count confidently by 2s to 20.

**SKILL: Count by 2s to 20.**

11. A student who has mastered the prerequisite concepts should be able to complete the written assessment in about 20 minutes with little or no frustration.