

**• 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.**