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|  | ST. VIATOR BILINGUAL INTERNATIONAL SCHOOL ACADEMIC MANAGEMENT ASSESSMENT | | CODE: | GD-GAC-FR-03 |
| | | | VERSION: | 03 |
| | | | DATE: | 9/01/2024 |
| DATE: | | SUBJECT: | TEACHER: Julio César Rodríguez Pomar. | |
| TOPIC: LCM, GCD, Integer Numbers | | | TERM: I | |
| OBJECTIVE: A. Knowing and understanding B. Investigating patterns C. Communication. | | | | |
| STUDENT: | | CLASS: | SCORE: | |

Criterion A. Knowing and understanding. (8 pts)

Find the Least Common Multiple (LCM) of the following pairs of numbers. Show your step-by-step process and select the correct answer.

1. Find the LCM of 8, 12, and 20.

- A. 60
- B. 120
- C. 240
- D. 480

2. The LCM of two numbers is 48, and one of the numbers is 12. What could the other number be?

- A. 4
- B. 16
- C. 48
- D. 36

3. Find the LCM of 4 and 10.

- A. 10
- B. 20
- C. 40
- D. 60

4. Find the LCM of 30 and 45

- A. 90
- B. 10
- C. 15
- D. 3

Criterion B. Investigating Patterns. (8 pts)

Find the Greatest Common Divisor (G.C. D.) of the following pairs of numbers. Show your step-by-step process and select the correct answer.

5. What is the Greatest Common Divisor (GCD) of 18 and 24?

- A. 2
- B. 3
- C. 6
- D. 12

6. Find the GCD of 42, 56, and 98.

- A. 7
- B. 14
- C. 28
- D. 42

Criterion C. Communication. (8 pts)

Calculate each sum, difference, product or quotient. Show your step-by-step process.

$$(-6) \times (+5) = \square$$

$$(+9) - (+9) = \square$$

$$(+5) \times (-8) = \square$$

$$(-8) - (-5) = \square$$

$$(-24) \div (+4) = \square$$

$$(+9) - (-1) = \square$$

$$(+56) \div (+7) = \square$$

$$(+6) \times (+3) = \square$$

$$(+9) + (+8) = \square$$

$$(-8) \times (-6) = \square$$

$$(+32) \div (+8) = \square$$

$$(+2) + (+5) = \square$$

$$(-3) - (+9) = \square$$

$$(-28) \div (+4) = \square$$

$$(+6) + (-7) = \square$$

$$(+2) + (-1) = \square$$