

Nickname: \_\_\_\_\_

Item B2 (3 points)

Pre-Test: Traditional Methods

Explain why your answer is the GCF for 12 and 18.

SECTION A: Procedural Accuracy (10 points)

Item A1 (2 points)

Find the LCM of:

6 and 8

SECTION C: Strategy Recognition (4 points)

Item A2 (2 points)

Find the GCF of:

12 and 18

Item C1 (2 points)

Which number is the **best starting point** when finding the LCM of 9 and 12?

9

12

1

Any number

Explain **why** (1–2 sentences).

Item A3 (3 points)

Find the LCM of:

8, 12, and 24

Item A4 (3 points)

Find the GCF of:

18, 24, and 36

SECTION B: Reasoning & Strategy (6 points)

Item B1 (3 points)

Explain **how you decided where to start** when finding the LCM of 8 and 12.

Item C2 (2 points)

When finding the GCF of 16 and 24, should you check factors in:

Ascending order

Descending order

Explain **why**.