***Learning Targets:***

*I can identify the greatest common factor for two or more numbers*

*I can identify the least common multiple for two or more numbers.*

*I can recognize situations that require the greatest common factor of or the least common multiple of two or more whole numbers.*

***Mastery Scoring Sheet***

Overall score: \_\_\_\_\_\_\_\_\_\_/12 \_\_\_\_\_\_\_\_\_\_\_\_%

*Learning Target 1: I can identify the greatest common factor of two or more whole numbers.*

Questions: 1, 4, 7

Score: \_\_\_\_\_\_\_\_\_\_\_/ 3 Circle: Met Did not meet

*Learning Target 2: I can identify the least common multiple of two or more whole numbers.*

Questions: 2, 5, 9

Score: \_\_\_\_\_\_\_\_\_\_\_/ 3 Circle: Met Did not meet

*Learning Target 3: I can recognize situations that require the greatest common factor of or the least common multiple of two or more whole numbers.*

Questions: 3, 6, 8

Score: \_\_\_\_\_\_\_\_\_\_\_/ 3 Circle: Met Did not meet

*Short response question: (3 pt. rubric)*

Score: \_\_\_\_\_\_\_\_\_\_\_/ 3

Correct = 3 pts. Partially Correct = 1 OR 2 pts. Incorrect = 0 pts.

Notes:***Learning Targets:*** *I can identify the greatest common factor for two or more numbers.*

*I can identify the least common multiple for two or more numbers.*

*I can recognize situations that require the greatest common factor of or the least common multiple of two or more whole numbers.*

\_\_\_\_\_\_\_\_\_ 1. What is the greatest common factor of 12 and 60?

A. 6 B. 12 C. 10 D. 60

\_\_\_\_\_\_\_\_\_ 2. What is the least common multiple of 12 and 60?

A. 6 B. 12 C. 10 D. 60

\_\_\_\_\_\_\_\_\_ 3. Molly has 24 oranges, 12 peaches and 48 pears. She is creating fruit baskets and, each basket must have an equal number of total pieces of fruit. Each basket must have the same number of each kind of fruit in it. If she is going to create the largest possible number of baskets, how many pieces of fruit can she put in each basket?

A. 7 B. 12 C. 24 D. 2

\_\_\_\_\_\_\_\_\_ 4. What is the greatest common factor of 75, 60 and 15?

A. 15 B. 5 C. 3 D. 30

\_\_\_\_\_\_\_\_\_ 5. What is the least common multiple of 10 and 8?

A. 24 B. 40 C. 16 D. 80

\_\_\_\_\_\_\_\_\_ 6. Bus A, Bus B, and Bus C are all at the Main Street bus stop at 9:00AM. Bus A comes back to that stop every 15 minutes. Bus B comes back to that stop every 20 minutes. Bus C comes back to that stop every 30 minutes. What time will it be when all 3 buses are at the Main Street bus stop again?

A. 9:15 AM B. 9:20 AM C. 9:30 AM D. 10:00 AM

\_\_\_\_\_\_\_\_\_ 7. What is the GCF of 4 and 24?

A. 24 B. 4 C. 8 D. 2

\_\_\_\_\_\_\_\_\_ 8. Chris has 50 lollipops and 75 tootsie rolls. He is making goody bags for a birthday party. He wants to put an equal number of lollipops and tootsie rolls in each bag. What is the largest number of bags he can create?

A. 25 B. 5 C. 10 D. 50

\_\_\_\_\_\_\_\_\_ 9. What is the LCM of 12, 3, & 6?

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

10. Mr. Warnock is shopping for hot dogs and hot dog buns. They are on sale for $4.99 and $2.99, respectively. The hot dogs come in packs of 10, and the hot dog buns come in packs of 8. Mr. Warnock needs an equal number of hot dogs and hot dog buns.

**Part A:** What is the smallest number of each pack that Mr. Warnock can purchase in order to have an equal number of each item?

***Show your work:***

Answer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part B:**

Explain your answer in complete sentences using your math vocabulary: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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