

Factors and Multiples

Guided Practice

Find the greatest common factor of each set of numbers. (Example 1 and 2)

1. 8, 32 _____

2. 24, 60 _____

3. 3, 12, 18 _____

Show
your
work.

Find the least common multiple of each set of numbers. (Examples 3 and 4)

4. 7, 9 _____

5. 6, 15 _____

6. 9, 12, 15 _____

7. The Movie House gives away a \$5 coupon for every 4 movies purchased. They give away a bag of popcorn for every 3 movies purchased. How many movies would you have to purchase in all before receiving both a \$5 coupon and a bag of popcorn at the same purchase? (Example 5)

Independent Practice

Find the greatest common factor of each set of numbers. (Example 2)

1. 8, 14 _____

2. 21, 24, 27 _____

3. 21, 35, 49 _____

4. 12, 18, 26 _____

Find the least common multiple of each set of numbers. (Examples 3 and 4)

5. 5 and 6 _____

6. 6 and 9 _____

7. 6, 12, and 15 _____

8. 3, 9, and 15 _____

9. A gardener has 27 pansies and 36 daisies. He plants an equal number of each type of flower in each row. What is the greatest possible number of pansies in each row? (Example 1)

10. Fourteen boys and 21 girls will be equally divided into groups. Find the greatest number of groups that can be created if no one is left out. (Example 1)



Standardized Test Practice

16. There are 36 cans of green beans and 48 cans of corn. The display designer wants an equal number of each vegetable in each row. What is the greatest number of cans of corn that can be in each row?

(A) 3 cans

(C) 6 cans

(B) 4 cans

(D) 12 cans