

## GCF and LCM Review

Eric is putting together snack bags for his classmates. He bought 18 granola bars and 9 apples. Each snack bag will have the same number of granola bars and apples. Does Eric have enough food to make 10 snack bags?

GCF: 9  
 9 bags  
 Each bag would have 2 granola bars and 1 apple.

18: 1, 2, 3, 6, 9, 18  
 9: 1, 3, 9

Yari wants to make egg biscuits to sell at a fundraiser. Eggs come in packs of 12 and biscuits come in packs of 8. What is the least number of packs of eggs and biscuits Yari can buy to have an equal number of each?

LCM  
 8: 8, 16, 24  
 12: 12, 24, 36

LCM: 24  
 $24 \div 12 = 2$   
 24 eggs  $\rightarrow$  2 packs  
 24 biscuits  $\rightarrow$  3 packs  
 $24 \div 8 = 3$

Stacy is planning a vegetable garden. She has 27 tomato plants, 45 bean plants, and 54 carrot plants. Stacy wants each row of her garden to have the same number of each type of plant. What is the greatest number of rows that Stacy can have if she wants to use all of her plants? How many of each type of plant will she have in each row?

Tomato:  
 27: 1, 3, 9, 27      GCF: 9 rows

Bean:  
 45: 1, 3, 5, 9, 15, 45

Carrots:  
 54: 1, 2, 3, 6, 9, 18, 27, 54

27:9 } 3 tomatoes } in each row  
 45:9 } 5 beans }  
 54:9 } 6 carrots }

Which expression uses the greatest common factor and distributive property to write  $18 + 24$  as a product? Circle the letter of the correct answer.

$6(3+4)$

a.  $2(9 + 12)$

b.  $8(10 + 16)$

c.  $6(3) + 6(4)$

d.  $6(3 + 4)$

} equivalent

Mary chose A as the correct answer. How did she get that answer? Is she correct?

↓  
Common factor

↓  
equivalent but she did not use the GCF.