Common Multiples
and Least Common Multiple

Find the LCM of each pair of numbers.

1. 3 and 6 __**6**__ **2.** 7 and 10 __**70**__

3. 8 and 12 __**24**__ **4.** 2 and 5 __**10**__

5. 4 and 6 __**12**__ **6.** 3 and 4 __**12**__

7. 5 and 8 __**40**__ **8.** 2 and 9 __**18**__

9. 6 and 7 __**42**__ **10.** 4 and 7 __**28**__

11. 5 and 20 __**20**__ **12.** 6 and 12 __**12**__

13. Rosario is buying pens for school. Blue pens are sold in packages of 6. Black pens are sold in packages of 3, and green pens are sold in packages of 2. What is the least number of pens she can buy to have equal numbers of pens in each color?

6 of each

14. Jason's birthday party punch calls for equal amounts of pineapple juice and orange juice. Pineapple juice comes in 6-oz cans and orange juice comes in 10-oz cans. What is the least amount he can mix of each kind of juice without having any left over?

30 oz of each

15. **Reasonableness** Dawn ordered 4 pizzas each costing between 8 and 12 dollars. What is a reasonable total cost of all 4 pizzas?

A less than $24 **C** between $32 and $48

B between $12 and $24 **D** about $70

16. **Explain It** Why is 35 the LCM of 7 and 5?

Sample answer: It is the smallest number divisible by both 7 and 5.