

Name _____

Common Multiples and Least Common Multiple

Find the LCM of each pair of numbers.

1. 3 and 6 _____
2. 7 and 10 _____
3. 8 and 12 _____
4. 2 and 5 _____
5. 4 and 6 _____
6. 3 and 4 _____
7. 5 and 8 _____
8. 2 and 9 _____
9. 6 and 7 _____
10. 4 and 7 _____
11. 5 and 20 _____
12. 6 and 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?

14. A punch recipe calls for equal amounts of pineapple juice and orange juice. Pineapple juice comes in 6-ounce cans and orange juice comes in 10-ounce cans. What is the least amount of each kind of juice that can be mixed without having any left over?

15. 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. Why is 35 the LCM of 7 and 5?
