Name _____ Date _____ Period _____

Lesson 6-12

Reinforce Understanding

Least Common Multiple

I can find the least common multiple (LCM) of two numbers by listing or comparing their multiples.

Worked model

I want the LCM of 4 and 6. I skip count the multiples of 4: 4, 8, 12, 16, 20, 24.

1. Then I skip count the multiples of 6: 6, 12, 18, 24.
2. I look for the first number in BOTH lists. 12 is in both lists, and it comes before 24.
3. So the LCM of 4 and 6 is 12. I check: 12 ÷ 4 = 3 and 12 ÷ 6 = 2, so both go into 12 evenly.

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Find the LCM of 5 and 6 on the number line

Mark and label each value on the number line.

Show your thinking

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2. What is the LCM of 3 and 5?

Circle the letter of the best answer. Show how you know.

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

Show your work

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3. What is the LCM of 6 and 8?

Circle the letter of the best answer. Show how you know.

A. 6
B. 14
C. 24
D. 48

Show your work
