

Lesson 6-12 • Group 1

Reinforce Understanding

6.12 Small Group • Group 1

With my small group, I can find the least common multiple (LCM) of two numbers by listing or comparing their multiples — one step at a time, with support.

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: $12 \div 4 = 3$ and $12 \div 6 = 2$, 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

2. Match each pair of numbers to their LCM.

Write the letter of the matching item on each line.

1. _____ LCM(2, 5)
2. _____ LCM(4, 10)
3. _____ LCM(3, 8)
4. _____ LCM(6, 9)
5. _____ LCM(5, 7)
6. _____ LCM(4, 6)

- A10
- B20
- C24
- D18
- E35
- F12

3. 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
