

Lesson 6-12 • Catch-up

Reinforce Understanding

6.7 • 6.12 • 6.13 Catch-Up

I can show I am caught up on Lessons 6.7 • 6.12 • 6.13 by using each lesson's big idea in mixed practice.

Worked model

Lesson 6.7 — Find Factors and Multiples: GCF = the biggest number that divides BOTH — use it to split into equal groups. LCM = the smallest number BOTH divide into — use it to find when cycles meet again.

1. Lesson 6.12 — Least Common Multiple: The LCM is the FIRST number that shows up in both numbers' multiple lists.
2. Lesson 6.13 — Prime Factorization: Keep breaking a number apart until every factor is a prime number you cannot split anymore.

Practice

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

1. (Lesson 6.7) Which list shows all the factors of 12?

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

- A. 1, 2, 3, 4, 6, 12
- B. 1, 12
- C. 2, 3, 4, 6
- D. 12, 24, 36, 48

Show your work

2. (Lesson 6.7) Which list shows the first four multiples of 8?

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

- A. 1, 2, 4, 8
- B. 2, 4, 6, 8
- C. 8, 16, 24, 32
- D. 8, 9, 10, 11

Show your work

3. (Lesson 6.12) 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
