Lesson 2.6 Practice: Least Common Multiple

School Launch · Pre-Algebra · Unit 2: Factors, Multiples and Primes · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Find the least common multiple of 4 and 12. EASY

2. Find the least common multiple of 9 and 18. EASY

3. Find the least common multiple of 8 and 16. EASY

4. Find the least common multiple of 15 and 4. MEDIUM

5. Find the least common multiple of 6 and 8. MEDIUM

6. Find the least common multiple of 6 and 7. MEDIUM

7. Find the least common multiple of 14 and 16. MEDIUM

8. Abigail rings three church bells: one every 10 seconds, one every 8 seconds and one every 12 seconds. They ring together now. After how many seconds will all three next ring together? HARD

9. Caleb rings three church bells: one every 15 seconds, one every 10 seconds and one every 10 seconds. They ring together now. After how many seconds will all three next ring together? HARD

10. Samuel rings three church bells: one every 7 seconds, one every 15 seconds and one every 8 seconds. They ring together now. After how many seconds will all three next ring together? HARD