

# EXTRA PRACTICE - Exercises

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## Unit I – The Structure of Mathematics Part B – Further Investigation of Number Symbols **Lesson 7 – Least Common Multiple**

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Find the least common multiple (LCM) for each of the following pairs of numbers by listing the multiples of each.

1. 8, 24
2. 10, 15
3. 36, 24
4. 7, 5
5. 6, 12
6. 11, 13

Find the least common multiple (LCM) for each of the following groups of numbers by first factoring each number as a product of primes.

7. 12, 27
8. 6, 9, 21
9. 60, 75
10. 15, 9, 20
11. 12, 15
12. 3, 4, 5
13. 24, 36, 40
14. 6, 40, 75
15. 28, 42, 60

# EXTRA PRACTICE — Answer Key

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Find the least common multiple (LCM) for each of the following pairs of numbers by listing the multiples of each.

1. LCM = 24

2. LCM = 30

3. LCM = 72

4. LCM = 35

5. LCM = 12

6. LCM = 143

Find the least common multiple (LCM) for each of the following groups of numbers by first factoring each number as a product of primes.

7. LCM = 108

8. LCM = 126

9. LCM = 300

10. LCM = 180

11. LCM = 60

12. LCM = 60

13. LCM = 360

14. LCM = 600

15. LCM = 420