

Least common multiple

Find the least common multiple (LCM) of each pair: the smallest number both divide into.

Name _____ Date _____

- | | | | |
|--------------|-----------|--------------|-----------|
| 1. 12 and 6 | LCM _____ | 11. 6 and 10 | LCM _____ |
| 2. 6 and 8 | LCM _____ | 12. 10 and 8 | LCM _____ |
| 3. 12 and 10 | LCM _____ | 13. 9 and 6 | LCM _____ |
| 4. 4 and 8 | LCM _____ | 14. 2 and 8 | LCM _____ |
| 5. 5 and 7 | LCM _____ | 15. 6 and 4 | LCM _____ |
| 6. 2 and 11 | LCM _____ | 16. 12 and 5 | LCM _____ |
| 7. 12 and 9 | LCM _____ | 17. 10 and 4 | LCM _____ |
| 8. 4 and 6 | LCM _____ | 18. 4 and 2 | LCM _____ |
| 9. 6 and 9 | LCM _____ | 19. 5 and 7 | LCM _____ |
| 10. 12 and 8 | LCM _____ | 20. 8 and 10 | LCM _____ |

Least common multiple: answer key

Each answer in colour, and the multiples of each number up to it.

1. **12 and 6: LCM 12**
Multiples of 12: 12
Multiples of 6: 6, 12
2. **6 and 8: LCM 24**
Multiples of 6: 6, 12, 18, 24
Multiples of 8: 8, 16, 24
3. **12 and 10: LCM 60**
Multiples of 12: 12, 24, 36, 48, 60
Multiples of 10: 10, 20, 30, 40, 50, 60
4. **4 and 8: LCM 8**
Multiples of 4: 4, 8
Multiples of 8: 8
5. **5 and 7: LCM 35**
Multiples of 5: 5, 10, 15, 20, 25, 30, 35
Multiples of 7: 7, 14, 21, 28, 35
6. **2 and 11: LCM 22**
Multiples of 2: 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22
Multiples of 11: 11, 22
7. **12 and 9: LCM 36**
Multiples of 12: 12, 24, 36
Multiples of 9: 9, 18, 27, 36
8. **4 and 6: LCM 12**
Multiples of 4: 4, 8, 12
Multiples of 6: 6, 12
9. **6 and 9: LCM 18**
Multiples of 6: 6, 12, 18
Multiples of 9: 9, 18
10. **12 and 8: LCM 24**
Multiples of 12: 12, 24
Multiples of 8: 8, 16, 24
11. **6 and 10: LCM 30**
Multiples of 6: 6, 12, 18, 24, 30
Multiples of 10: 10, 20, 30
12. **10 and 8: LCM 40**
Multiples of 10: 10, 20, 30, 40
Multiples of 8: 8, 16, 24, 32, 40
13. **9 and 6: LCM 18**
Multiples of 9: 9, 18
Multiples of 6: 6, 12, 18
14. **2 and 8: LCM 8**
Multiples of 2: 2, 4, 6, 8
Multiples of 8: 8
15. **6 and 4: LCM 12**
Multiples of 6: 6, 12
Multiples of 4: 4, 8, 12
16. **12 and 5: LCM 60**
Multiples of 12: 12, 24, 36, 48, 60
Multiples of 5: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60
17. **10 and 4: LCM 20**
Multiples of 10: 10, 20
Multiples of 4: 4, 8, 12, 16, 20
18. **4 and 2: LCM 4**
Multiples of 4: 4
Multiples of 2: 2, 4
19. **5 and 7: LCM 35**
Multiples of 5: 5, 10, 15, 20, 25, 30, 35
Multiples of 7: 7, 14, 21, 28, 35
20. **8 and 10: LCM 40**
Multiples of 8: 8, 16, 24, 32, 40
Multiples of 10: 10, 20, 30, 40