



Math Worksheet for 6th Grade

Least common multiple

Name: _____

Due Date: _____

Teacher: _____

Parent Sign: _____

1. Find the LCM of 6 and 8.
2. Find the LCM of 7 and 3.
3. Find the LCM of 9 and 12.
4. Find the LCM of 4 and 10.
5. Find the LCM of 5 and 5.
6. Find the LCM of 1 and 14.
7. Find the LCM of 15 and 20.
8. Find the LCM of 12 and 30.
9. Find the LCM of 18 and 24.
10. Find the LCM of 8 and 12.
11. Find the LCM of 14 and 21.
12. Find the LCM of 16 and 20.
13. Find the LCM of 25 and 40.
14. Find the LCM of 21 and 6.
15. Find the LCM of 11 and 13.
16. Find the LCM of 27 and 9.
17. Find the LCM of 32 and 48.
18. Find the LCM of 33 and 22.
19. Find the LCM of 40 and 18.
20. Find the LCM of 12 and 12.
21. Find the LCM of 2, 3, and 4.
22. Find the LCM of 3, 5, and 7.
23. Find the LCM of 6, 8, and 9.
24. Find the LCM of 4, 10, and 15.
25. Find the LCM of 5, 25, and 10.
26. Find the LCM of 7, 14, and 21.
27. Find the LCM of 8, 12, and 20.
28. Find the LCM of 9, 12, and 15.
29. Find the LCM of 14, 18, and 21.
30. Find the LCM of 16, 24, and 40.
31. Find the LCM of 3, 6, and 12.
32. Find the LCM of 11, 22, and 33.



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33. Find the LCM of 25, 30, and 45.
34. Find the LCM of 18, 30, and 42.
35. Find the LCM of 4, 6, and 9.
36. Three bells ring every 6 minutes, 8 minutes, and 12 minutes. If they ring together now, after how many minutes will they ring together again?
37. Sam has ribbons in lengths of 8 cm and 12 cm. He wants to cut equal longer pieces so there is no leftover. What is the least possible length of each piece?
38. Two buses arrive at a stop every 15 minutes and 20 minutes. If they arrive together now, after how many minutes will they arrive together again?
39. Two lights flash every 9 seconds and 12 seconds. If they flash together now, after how many seconds will they flash together again?
40. Three machines complete a cycle every 10, 15, and 25 minutes. If they start together, after how many minutes will they all complete a cycle together again?
41. Karen packs stickers in groups of 4, 6, and 10. What is the least number of stickers she can pack so each group size divides that number exactly?
42. Three gardeners water every 4 days, 5 days, and 6 days. If they water on the same day today, after how many days will they water together again?
43. Plates are arranged on tables in rows of 3, 4, and 5. What is the smallest number of plates that can be arranged so that each row arrangement is possible with no leftovers?
44. Two runners run laps every 12 minutes and 16 minutes. If they start a lap together, after how many minutes will they start a lap together again?
45. A marching band forms rows of 9, 12, and 15 members. What is the smallest number of band members so the band can form any of these row sizes exactly?
46. Three machines produce a part every 7 seconds, 14 seconds, and 21 seconds. If they produce together now, after how many seconds will they produce together again?
47. Natalie buys pencil packs of 24, 30, and 36 pencils. What is the smallest number of pencils she can have that is an exact multiple of each pack size?
48. A festival repeats every 8 days, 12 days, and 20 days. If all three festivals happen today, after how many days will they all occur again on the same day?
49. Three clocks chime every 11 minutes, 13 minutes, and 22 minutes. If they chime together now, after how many minutes will they chime together again?
50. A teacher wants to arrange students in equal rows of 6, 8, or 10. What is the smallest number of students that allows any of these rows exactly?