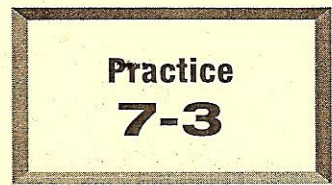


Name _____



Least Common Multiples (LCM)

Find the LCM for each pair of numbers.

1. 16, 12 _____ 2. 12, 8 _____ 3. 8, 3 _____ 4. 20, 45 _____
5. 27, 15 _____ 6. 34, 18 _____ 7. 12, 15 _____ 8. 6, 75 _____
9. 64, 20 _____ 10. 12, 6 _____ 11. 28, 8 _____ 12. 36, 24 _____

Use prime factorization to find the LCM for each group of numbers.

13. 45 = _____ 14. 22 = _____ 15. 39 = _____
50 = _____ 26 = _____ 36 = _____
LCM = _____ LCM = _____ LCM = _____
16. 24 = _____ 17. 30 = _____ 18. 80 = _____
20 = _____ 18 = _____ 105 = _____
LCM = _____ LCM = _____ LCM = _____
19. 20 = _____ 20. 33 = _____ 21. 60 = _____
15 = _____ 18 = _____ 56 = _____
35 = _____ 12 = _____ 35 = _____
LCM = _____ LCM = _____ LCM = _____

Rewrite each group of fractions with the LCD.

22. $\frac{1}{3}$ and $\frac{7}{12}$ _____ 23. $\frac{7}{10}$ and $\frac{2}{15}$ _____
24. $\frac{2}{3}$, $\frac{3}{5}$, and $\frac{5}{7}$ _____ 25. $\frac{5}{12}$, $\frac{4}{9}$, $\frac{5}{16}$ _____

26. A carousel has two rows of plastic ponies going at different speeds. Ralph is riding a pony that goes around every 135 seconds, and Lucy is riding a pony that goes around every 150 seconds. If Ralph and Lucy start on the east side of the carousel at the same time, how soon will they again meet on the east side of the carousel?