

Find the GCF of the numbers.

1. 18, 42

2. 72, 96

3. 38, 76, 114

Divide.

4. $900 \div 6$

5. $1944 \div 9$

6. $672 \div 12$

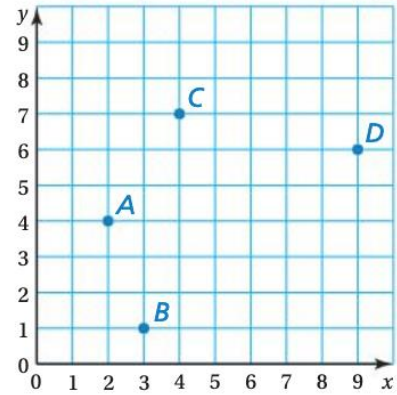
Write an ordered pair that corresponds to the point.

7. Point A

8. Point B

9. Point C

10. Point D



USING A VENN DIAGRAM Use a Venn diagram to find the least common multiple of the numbers. (See Exploration 1, p. 27.)

11. 3, 7

12. 6, 8

13. 4, 5

FINDING THE LCM Find the LCM of the numbers using lists of multiples.

14. 1, 5

15. 2, 6

16. 2, 3

17. 2, 9

18. 3, 4

19. 8, 9

20. 5, 8

21. 11, 12

22. 12, 18

FINDING THE LCM Find the LCM of the numbers using prime factorizations.

23. 7, 12

24. 5, 9

25. 4, 11

26. 9, 10

27. 12, 27

28. 18, 45

29. 22, 33

30. 36, 60

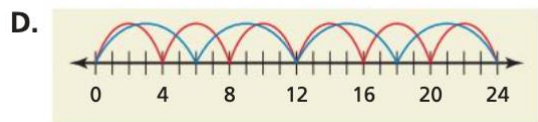
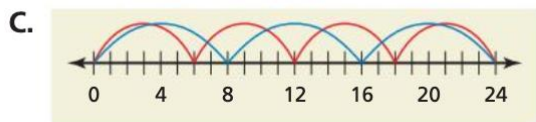
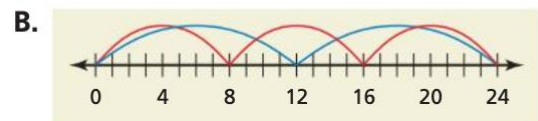
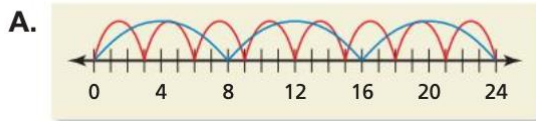
31. 35, 50

32. **YOU BE THE TEACHER** Your friend finds the LCM of 6 and 9. Is your friend correct? Explain your reasoning.

$6 \times 9 = 54$
The LCM of 6 and 9 is 54.

33. **MODELING REAL LIFE** You have diving lessons every fifth day and swimming lessons every third day. Today you have both lessons. In how many days will you have both lessons on the same day again?

34. **MP REASONING** Which model represents an LCM that is different from the other three? Explain your reasoning.



FINDING THE LCM Find the LCM of the numbers.

35. 2, 3, 7

36. 3, 5, 11

37. 4, 9, 12

38. 6, 8, 15

39. 7, 18, 21

40. 9, 10, 28