

Prime Factorization

Prime #		
Composite #		
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Write each number in prime factorization.

1. 18	2. 36	3. 15
4. -32	5. 49	6. 28
7. -44	8. 625	9. 1000
10. -72	11. 960	12. 300

Write each number as the product of two rational numbers.

13. 6	14. $\frac{9}{15}$	15. 9
16. 11	17. $\frac{1}{16}$	18. $\frac{4}{15}$

Greatest Common Factor

Find the GCF of each set of monomials.

19. 12, 48	20. 18, 42	21. 32, 54	22. 15, 45
23. 6, 18, 24	24. $49x, 14x^3$	25. $4a^7b, 28ab$	26. $96y, 12x, 8y$
27. $12a, 18abc$	28. $a^4b, 8a^3b^2$	29. $15xyz^2, 20xyz$	30. $28y^2, 35xy, 49x^2yz$
31. $7r^2s, 5$	32. $3xy, 12x^3$	33. $2m^2n, 12mn^2$	34. $2x^2y, 9x^2y^3, 18xy^2$